SAMSUNG

PDP-TELEVISION
(PLASMA DISPLAY PANEL)

Owner's Instructions

Before operating the unit,
please read this manual thoroughly,
and retain it for future reference.

ON-SCREEN MENUS
Picture In Picture (PIP)
Energy Saving
TELETEXT (Option)
SRS **SRS TruSurroundXT**
DNIe™ **D**igital **N**atural **I**mage **e**ngine
Digital **T**errestrial **R**eceiver

Register your product at www.samsung.com/global/register

User Instructions

◆ **Screen Image retention**
Do not display a still image (such as on a video game or when hooking up a PC to this PDP) on the plasma monitor panel for more than 2 hours as it can cause screen image retention. This image retention is also known as "screen burn". To avoid such image retention, reduce the degree of brightness and contrast of the screen when displaying a still image.

◆ **Height**
The PDP can normally operate only under 2000m in height. It might abnormally function at a place over 2000m in height so do not install and operate there.

◆ **Heat on the top of the PDP TV**
The top side of the product may be hot after long periods of use as heat dissipates from the panel through the vent hole in the upper part of the product. This is normal and does not indicate any defect or operation failure of the product. However, children should be prevented from touching the upper part of the product.

◆ **The product is making a 'cracking' noise.**
A 'cracking' noise may occur when the product contracts or expands due to a change of surrounding environment such as temperature or humidity. This is normal and not a defect of the unit.

◆ **Cell Defects**
The PDP uses a panel consisting of 1,230,000(SD-level) to 3,150,000(HD-level) pixels which require sophisticated technology to produce. However, there may be few bright or dark pixels on the screen.
These pixels will have no impact on the performance of the product.

◆ **Avoid operating the TV at temperatures below 5°C(41°F)**

◆ **A still image displayed too long may cause permanent damage to the PDP Panel.**

 Watching the PDP TV in 4:3 format for a long period of time may leave traces of borders displayed on the left, right and centre of the screen caused by the difference of light emission on the screen.
Playing a DVD or a game console may cause similar effect to the screen.
Damages caused by the above effect are not covered by the Warranty.

◆ **Afterimage on the Screen.**
Displaying still images from Video games and PC for longer than a certain period of time may produce partial afterimages. To prevent this effect, reduce the 'brightness' and 'contrast' when displaying still images.
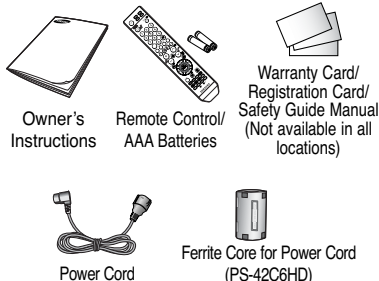
◆ **Warranty**
- Warranty does not cover any damage caused by image retention.
- Burn-in is not covered by the warranty.
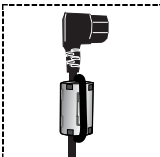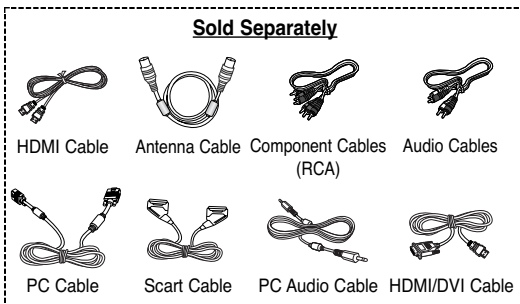
◆ **Installation**
Be sure to contact an authorized service centre, when installing your set in a location with heavy dust, high or low temperatures, high humidity, chemical substance and where it operates continually such as the airport, the train station etc. Failure to do so may cause a serious damage to your set.

Checking Parts

Owner's Instructions

Remote Control/ AAA Batteries

Warranty Card/ Registration Card/ Safety Guide Manual (Not available in all locations)

Power Cord

Ferrite Core for Power Cord (PS-42C6HD)

Sold Separately

HDMI Cable

Antenna Cable

Component Cables (RCA)

Audio Cables

PC Cable

Scart Cable

PC Audio Cable

HDMI/DVI Cable

➢ **Ferrite Core (Power Cord)**
The ferrite core is used to shield the cable from interference. When connecting a cable, open the ferrite core and clip it around the cable.

Contents

Contents

Symbols

Press   **Important**   **Note**

Control Panel (depending on the model)

➢ The product colour and shape may vary depending on the model.

Front (or Side) Panel

Speaker
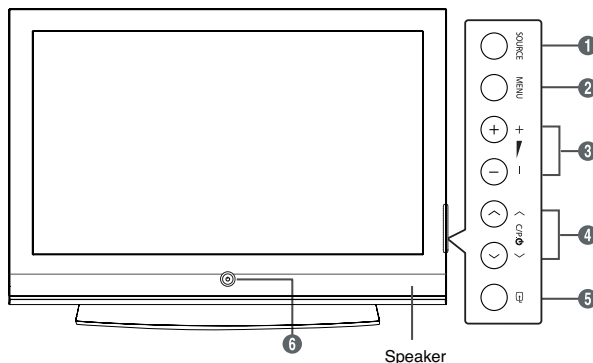
❶ SOURCE
Displays a menu of all of the available input sources
(TV, Ext.1, Ext.2, Component, PC, HDMI, DTV).

❷ MENU
Press to see the on-screen menu of your TV's
features.

❸ − ◢ +
Press to decrease or increase the volume.
In the on-screen menu, use the **− ◢ +** buttons as
you use the ◄ and ► buttons on the remote control.

❹ ∨ C/P.⏻ ∧
Press to change channels. In the on-screen menu,
use the **∨ C/P.⏻ ∧** buttons as you use the
▲ and ▼ buttons on the remote control.

❺ ⏎ (ENTER)
Press to confirm a selection.

❻ ⏻ (Power) button
Press to turn the TV on and off.

Power Indicator
Blinks and turns off when the power is on and lights
up in stand-by mode.

Remote Control Sensor
Aim the remote control towards this spot on the TV.
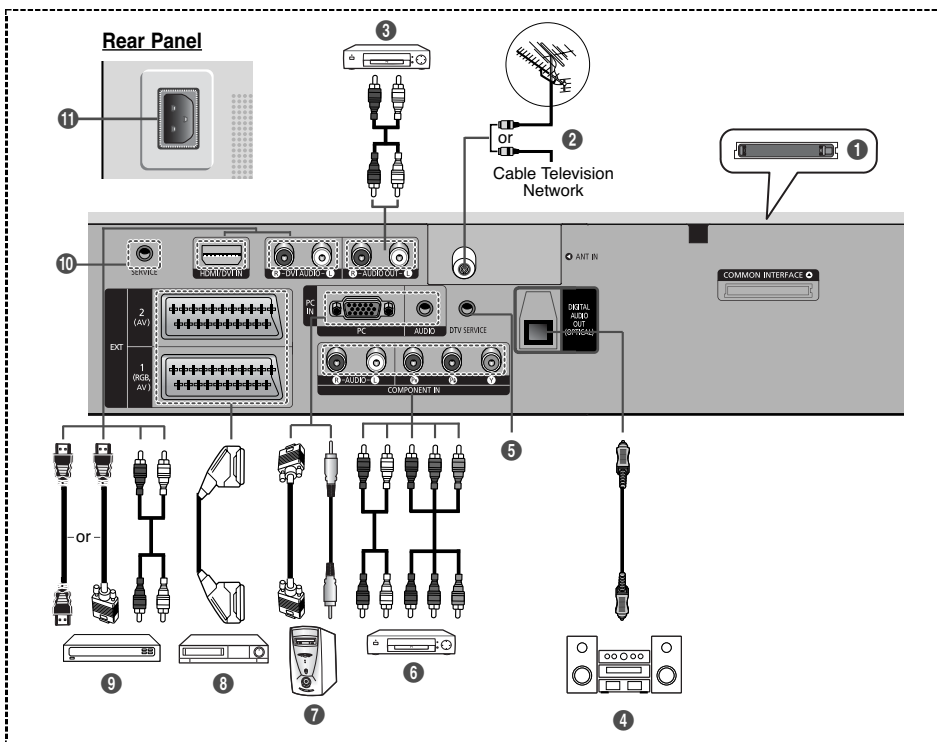
➢ Press the **MENU** button once in DTV mode, then the DTV menu is displayed.

Connection Panel (depending on the model)

➢ The product colour and shape may vary depending on the model.

Rear Panel

☛ Whenever you connect an audio or video system to your set, ensure that all elements are switched off.
☛ When connecting an external device, match the colour of the connection terminal to the cable.

❶ **Common Interface Slot**
- Insert CI (Common Interface) card into the slot.
❷ **ANT IN VHF/UHF (75Ω)**
- 75Ω Coaxial connector for Aerial/Cable Network.
❸ **Connecting external Audio Devices**
- Connect RCA audio signals from the TV to an external source, such as Audio equipment.
❹ **DIGITAL AUDIO OUT (OPTICAL)**
- Connect to a Digital Audio Component.
❺ **DTV SERVICE**
- Connector for service only.
❻ **COMPONENT IN**
- Video (Y/P$_B$/P$_R$) and audio (AUDIO L/R) inputs for Component.
❼ **PC IN / AUDIO**
- Connect to the video and audio output jack on your PC.
❽ **EXT 1, EXT 2**
- Inputs or outputs for external devices, such as VCR, DVD, video game device or video disc players.

Input/Output Specification

Connector	Input			Output
	Video	Audio (L/R)	RGB	Video + Audio (L/R)
EXT 1	✔	✔	✔	Only TV or DTV output is available.
EXT 2	✔	✔		Output you can choose.

❾ **HDMI/DVI IN**
- Connect to the HDMI jack of a device with HDMI output. These inputs can also be used as a DVI connection with separate analog audio inputs. An optional HDMI/DVI cable will be necessary to make this connection. When using the optional HDMI/DVI adapter, the DVI analog audio inputs on your TV allow you to receive left and right audio from your DVI device. (Not compatible with PC)
- When connecting this product via HDMI or DVI to a Set Top Box, DVD Player or Games Console etc, make sure that it has been set to a compatible video output mode as shown in the table below. Failure to observe this may result in picture distortion, image breakup or no picture.
- Do not attempt to connect the HDMI/DVI connector to a PC or Laptop Graphics Card. (This will result in a blank screen being displayed)
  DVI AUDIO IN L/R
- DVI audio outputs for external devices.
❿ **SERVICE**
- Connector for service only.
⓫ **POWER IN**
- Connect the supplied power cord.

➢ Supported modes for HDMI/DVI and Component

|	480i	480p	576i	576p	720p	1080i
HDMI/DVI 50Hz	X	X	X	O	O	O
HDMI/DVI 60Hz	X	O	X	X	O	O
Component	O	O	O	O	O	O

Viewing the Remote Control (depending on the model)

① POWER button
(turns the TV on and off)

② Number buttons for direct channel access

③ One/Two-digit channel selection

④ Channel control button (Refer to page 11~12)

⑤ Selects the TV and DTV mode directly

⑥ ⊕ Volume increase
⊖ Volume decrease

⑦ Temporary sound switch-off

⑧ Displays the main on-screen menu

⑨ Electronic Program Guide (EPG) display

⑩ Picture-In-Picture On/Off

⑪ Picture effect selection (Refer to page 13)

⑫ Picture freeze

⑬ Sound mode selection

⑭ Remote control setup

⑮ Selects a target device to be controlled by the Samsung remote control (TV, DVD, STB, CABLE, VCR)

⑯ Available source selection

⑰ Previous channel

⑱ DTV menu display

⑲ Automatic Power-off

⑳ VCR/DVD Function (Rewind, Stop, Play/Pause, Fast/Forward

㉑ ⌃ Next channel
⌄ Previous channel

㉒ Exit the on-screen menu

㉓ Control the cursor in the menu

㉔ Use to see information on the current broadcast

㉖ Fastext topic selection

㉗ Picture size selection

㉘ Sound effect selection (Refer to page 16)

㉙ Digital subtitle display

㉚ TruSurround XT mode button

㉛ If your remote control is not functioning properly, take out the batteries and press the reset button for about 2~3 seconds.
Re-insert the batteries and try using the remote control again.

Teletext Functions
(Refer to page 36)

⑤ Exit from the teletext display (depending on the model)

⑧ Teletext index

⑩ Teletext hold

⑪ Teletext size selection

⑯ Teletext mode selection (LIST/FLOF)

⑰ Teletext sub page

㉑ P ⌃ : Teletext next page
P ⌄ : Teletext previous page

㉒ Teletext cancel

㉔ Teletext reveal

㉕ Teletext display/mix both Pressing TEXT/MIX selects Teletext, Double, or Mix mode in sequence.

㉖ Fastext topic selection

㉘ Teletext store
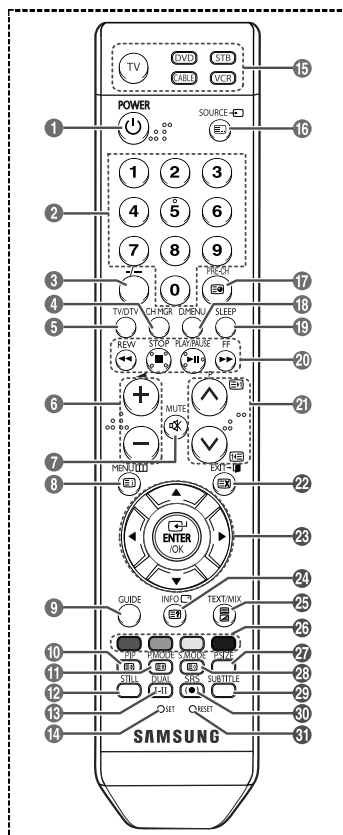
➢ The performance of the remote control may be affected by bright light.

➢ This is a special remote control for the visually impaired, and has Braille points.

Installing Batteries in the Remote Control
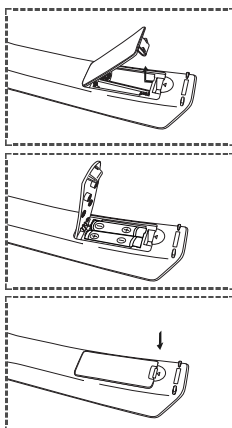
1 Lift the cover at the back of the remote control upward as shown in the figure.

2 Install two AAA size batteries.
➢ Make sure to match the "+" and "–" ends of the batteries with the diagram inside the compartment.

3 Close the cover as shown in the figure.
➢ Remove the batteries and store them in a cool, dry place if you won't be using the remote control for a long time. The remote control can be used up to about 23 feet from the TV. (Assuming typical TV usage, the batteries last for about one year.)

➢ **If the remote control doesn't work! Check the following:**
1. Is the TV power on?
2. Are the plus and minus ends of the batteries reversed?
3. Are the batteries drained?
4. Is there a power cut, or is the power cord unplugged?
5. Is there a special fluorescent light or a neon sign nearby?

Switching Your Television On and Off

The mains lead is attached to the rear of the television.

1 Plug the mains lead into an appropriate socket.

➢ The main voltage is indicated on the rear of the television and the frequency is 50 or 60Hz.

2 Press the ⏻ (Power) button (On/Off) on the front of the television or press the **POWER** (⏻) button on the remote control to switch the television on. The programme that you were watching last is re-selected automatically. If you have not yet stored any channels, no clear picture appears. Refer to "Storing Channels Automatically" on page 10 or "Storing Channels Manually" on page 11.

➢ If the television is initially powered on, several basic customer settings proceed automatically. Refer to "Plug & Play Feature" on page 9.

3 To switch the television off, press the ⏻ (Power) button (On/Off) on the front of the television or press the **POWER** (⏻) button on the remote control.

4 To switch the TV on, press the ⏻ (Power) button (On/Off) on the front of the TV or press the **POWER** (⏻) button or number buttons on the remote control.

Viewing the Menus

TV	Input	
	Source List : TV	▷
	Edit Name	▷

⬍ Move   Enter   Exit
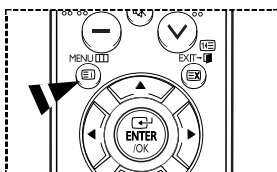
1 Press the **MENU** (▯▯) button.
The main menu is displayed on the screen.
Its left side has five icons: **Input**, **Picture**, **Sound**, **Channel**, and **Setup**.

2 Press the ▲ or ▼ button to select one of the icons.
Press the **ENTER/OK** (↵) button to access the icon's sub-menu.

3 Press the ▲ or ▼ button to move to items in the menu.
Press the **ENTER/OK** (↵) button to enter items in the menu.

4 Press the ▲/▼/◀/▶ button to change the selected items.
Press the **MENU** (▯▯) button to return to the previous menu.

5 Press the **EXIT** button to exit from the menu.

Freezing the Current Picture

You can freeze the picture when watching a television programme simply by pressing the "**STILL**" button. To return to normal viewing, press it again.

➢ This function will automatically cancel five minutes later.
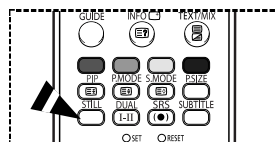
Plug & Play Feature

When the television is initially powered on, several basic customer settings proceed automatically and subsequently.
The following settings are available.

1 If the television is in standby mode, press the **POWER** (⏻) button on the remote control. The message to start Plug & Play is displayed.

2 The **Language** menu will automatically appear after several seconds.

3 Select the appropriate language by pressing the ▲ or ▼ button.
Press the **ENTER/OK** (⊕) button. The message to check the connected status of the antenna is displayed.

4 Make sure that the antenna is connected to the TV.
Press the **ENTER/OK** (⊕) button. The **Country** menu is displayed.

5 Select your country or area by pressing the ▲ or ▼ button.
Press the **ENTER/OK** (⊕) button. The menu to select channels is displayed.

6 To start channel store, press the **ENTER/OK** (⊕) button.
The search will end automatically. The TV will begin memorizing all of the available channels.
Press the **ENTER/OK** (⊕) button to set the clock.

7 Press the ◄ or ► button to select the hour or minute.
Set these by pressing the ▲ or ▼ button.

➢ You can enter the Hour, Minute by using the numeric buttons on the remote control.

8 Press the **ENTER/OK** (⊕) button to confirm your setting.
The DTV channel scan menu appears and the DTV channel is automatically updated.

➢ If the DTV channel is updated, the Source in the source list of the Input menu is automatically changed to DTV.

➢ For detailed descriptions about DTV channel update, refer to page 23 of this manual.

If you want to reset this feature …

1 Press the **MENU** (▢) button to display the menu.

2 Press the ▲ or ▼ button to select **Setup**, then press the **ENTER/OK** (⊕) button.

3 Press the **ENTER/OK** (⊕) button again to select **Plug & Play**.
The message to start Plug & Play is displayed.
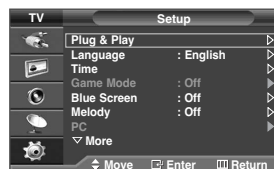
Viewing an External Signal Source
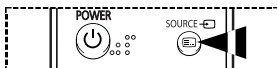
You can switch between viewing signal from connected equipment, such as a VCR, DVD, Set-Top Box, and the TV source (air or cable).

1 Press the **MENU** (▢) button to display the menu.

2 Press the **ENTER/OK** (↵) button to select `Source List`.

3 Press the **ENTER/OK** (↵) button again.

4 Press the ▲ or ▼ button to select the signal source, then press the **ENTER/OK** (↵) button.

Available signal source: `TV`, `Ext.1`, `Ext.2`, `Component`, `PC`, `HDMI`, `DTV`

➤ You can select these options simply by pressing the **SOURCE** (⊷) button on the remote control.

➤ To watch television programme again, press the **TV/DTV** button and select the channel number required.

Editing Device Names
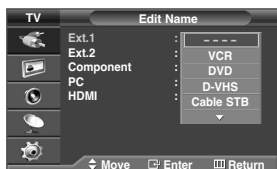
You can give a name to the external source.

1 Press the **MENU** (▢) button to display the menu.

2 Press the **ENTER/OK** (↵) button.

3 Press the ▲ or ▼ button to select `Edit Name`, then press the **ENTER/OK** (↵) button.

4 Press the ▲ or ▼ button to select the external source to be edited, then press the **ENTER/OK** (↵) button.

5 Select the required device by pressing ▲ or ▼, then press the **ENTER/OK** (↵) button.

Available device names: `VCR`, `DVD`, `D-VHS`, `Cable STB`, `HD STB`, `Satellite STB`, `AV Receiver`, `DVD Receiver`, `Game`, `Camcorder`, `DVD Combo`, `DHR (DVD HDD Recorder)`, or `PC`.

6 Press the **EXIT** button to exit.

Storing Channels Automatically

➤ Not available in DTV or external input mode.

You can scan for the frequency ranges available to you (availability depends on your country). Automatically allocated programme numbers may not correspond to actual or desired programme numbers. However you can sort numbers manually and clear any channels you do not wish to watch.

1 Press the **MENU** (▢) button to display the menu.

2 Press the ▲ or ▼ button to select `Channel`, then press the **ENTER/OK** (↵) button.

3 Press the **ENTER/OK** (↵) button again. The available countries are listed.

4 Select your country by pressing the ▲ or ▼ button, then press the **ENTER/OK** (↵) button.

5 Press the ▲ or ▼ button to select `Auto Store`, then press the **ENTER/OK** (↵) button.

6 Press the **ENTER/OK** (↵) button again to start the search. The search will end automatically.

➤ To stop the search before it has finished, press the **MENU** (▢) or the **ENTER/OK** (↵) button.

Storing Channels Manually

➢ Not available in DTV or external input mode.

TV	Manual Store
	Programme : P 1
	Colour System : AUTO ▷
	Sound System : BG ▷
	Channel : C 4
	Search : 62 MHz
	Store : ?
	◆ Move 🖫 Enter Ⅲ Return

You can store television channels, including those received via cable networks.
When storing channels manually, you can choose:
◆ Whether or not to store each of the channels found.
◆ The programme number of each stored channel which you wish to identify.

1 Press the **MENU** (▯) button to display the menu.

2 Press the ▲ or ▼ button to select `Channel`, then press the **ENTER/OK** (⏎) button.

3 Press the ▲ or ▼ button to select `Manual Store`, then press the **ENTER/OK** (⏎) button.

4 Select the required option by pressing the ▲ or ▼ button, then press the **ENTER/OK** (⏎) button.

5 When you are satisfied with your setting, press the **ENTER/OK** (⏎) button.

6 Press the **EXIT** button to exit.

◆ `Programme` (Programme number to be assigned to a channel)
  – Press the ▲ or ▼ button until you find the correct number.
◆ `Colour System`: `AUTO/PAL/SECAM/NTSC 4.43`
  – Press the ▲ or ▼ button to select the required colour standard.
◆ `Sound System`: `BG/DK/I/L`
  – Press the ▲ or ▼ button to select the required sound standard.
◆ `Channel` (When you know the number of the channel to be stored)
  – Press the ▲ or ▼ button to select **C** (Air channel) or **S** (Cable channel).
  – Press the ▶ button, then press the ▲ or ▼ button to select the required number.
    ➢ You can also select the channel number directly by pressing the numeric buttons (0~9).
    ➢ If there is abnormal sound or no sound, re-select the sound standard required.
◆ `Search` (When you do not know the channel numbers)
  – Press the ▲ or ▼ button to start the search.
  – The tuner scans the frequency range until the first channel or the channel that you selected is received on the screen.
◆ `Store` (When you store the channel and associated programme number)
  – Set to **OK** by pressing the **ENTER/OK** (⏎) button.
☛ *Channel mode*
  ◆ **P** (Programme mode): When completing tuning, the broadcasting stations in your area have been assigned to position numbers from P00 to P99. You can select a channel by entering the position number in this mode.
  ◆ **C** (Air channel mode): You can select a channel by entering the assigned number to each air broadcasting station in this mode.
  ◆ **S** (Cable channel mode): You can select a channel by entering the assigned number for each cable channel in this mode.
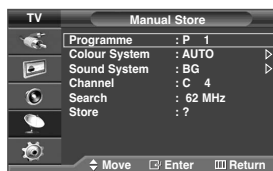
Adding / Locking Channels

➢ Not available in DTV or external input mode.

TV	Channel Manager
	Channel Manager ▷
	Child Lock : On ▷
	◆ Move 🖫 Enter Ⅲ Return

Using the Channel Manager, you can conveniently lock or add channels.

1 Press the **MENU** (▯) button to display the menu.

2 Press the ▲ or ▼ button to select `Channel`, then press the **ENTER/OK** (⏎) button.

3 Press the ▲ or ▼ button to select `Channel Manager`, then press the **ENTER/OK** (⏎) button.

Channel Manager		
P 1 C 1		1 / 10
Prog.	⊞	🔒
0 C --		▲
1 C 1	✓	
2 C 3	✓	
3 C 5	✓	
4 C 8	✓	
5 C 9	✓	
6 C 10	✓	
7 C 11	✓	
8 C 12	✓	
9 S 12	✓	▼
⊞ Add	🔒 Lock	
◆ Move	🖫 Enter	
◈ Page	◁ Exit	

◆ `Adding channels`
  Using the Channel Manager, you can add channels.

4 Select the `Channel Manager` by pressing the **ENTER/OK** (⏎) button.

5 Move to the (⊞) field by pressing the ▲/▼/◀/▶ buttons, select a channel to be added, and press the **ENTER/OK** (⏎) button to add the channel.
  ➢ If you press the **ENTER/OK** (⏎) button again, the (✓) symbol next to the channel disappears and the channel is not added.
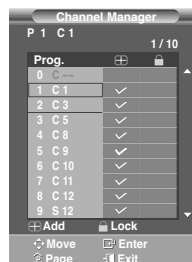
Adding / Locking Channels

◆ **Locking channels**
This feature allows you to prevent unauthorized users, such as children, from watching unsuitable programmes by muting out video and audio.

4 Press the ▲ or ▼ button to select `Child Lock`, then press the **ENTER/OK** (⊡) button.

5 Select `On` by pressing the ▲ or ▼ buttons, then press the **ENTER/OK** (⊡) button.

6 Press the ▲ or ▼ buttons to select the `Channel Manager`, then press the **ENTER/OK** (⊡) button.

7 Move to the (🔒) field by pressing the ▲/▼/◄/► buttons, select a channel to be locked, and press the **ENTER/OK** (⊡) button.

➤ If you press the **ENTER/OK** (⊡) button again, the (✓) symbol next to the channel disappears and the channel lock is canceled.

➤ A blue screen is displayed when Child Lock is activated.

8 Press the **EXIT** button to exit.
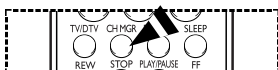
➤ You can select these options simply by pressing the **CH MGR** button on the remote control.

Sorting the Stored Channels
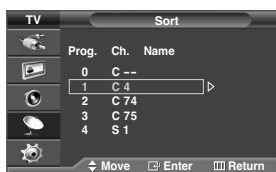
➤ Not available in DTV or external input mode.

This operation allows you to change the programme numbers of stored channels. This operation may be necessary after using auto store.

1 Press the **MENU** (▥) button to display the menu.

2 Press the ▲ or ▼ button to select `Channel`, then press the **ENTER/OK** (⊡) button.

3 Press the ▲ or ▼ button to select `Sort`, then press the **ENTER/OK** (⊡) button.

4 Select the channel that you wish to move by pressing the ▲ or ▼ button, then press the **ENTER/OK** (⊡) button.

5 Select the number of the programme to which the channel is to be moved by pressing the ▲ or ▼ button. Press the **ENTER/OK** (⊡) button. The channel is moved to its new position and all other channels are shifted accordingly.

6 Repeat steps **4** to **5** until you have moved all the channels to the required programme numbers.

7 Press the **EXIT** button to exit.

Assigning Names to Channels
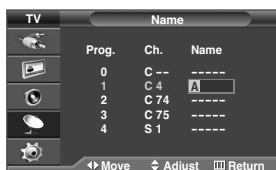
➤ Not available in DTV or external input mode.

Channel names will be assigned automatically when channel information is broadcast. These names can be changed, allowing you to assign new names.

1 Press the **MENU** (▥) button to display the menu.

2 Press the ▲ or ▼ button to select `Channel`, then press the **ENTER/OK** (⊡) button.

3 Press the ▲ or ▼ button to select `Name`, then press the **ENTER/OK** (⊡) button.

4 Press the ▲ or ▼ button to select the channel to be assigned to a new name, then press the **ENTER/OK** (⊡) button.

5 Press the ▲ or ▼ button to select a letter (A~Z), a number (0~9), or a symbol. Move on to the previous or next letter by pressing the ◄ or ► button, then press the **ENTER/OK** (⊡) button.

6 Repeat steps **4** to **5** for each channel to be assigned to a new name.

7 Press the **EXIT** button to exit.

Fine Tuning Channel Reception

➢ Not available in DTV or external input mode.

If the reception is clear, you do not have to fine tune the channel, as this is done automatically during the search and store operation.
If the signal is weak or distorted, you may have to fine tune the channel manually.

1 Press the **MENU** (▯▯▯) button to display the menu.

2 Press the ▲ or ▼ button to select **Channel**, then press the **ENTER/OK** (⊕) button.

3 Press the ▲ or ▼ button to select **Fine Tune**, then press the **ENTER/OK** (⊕) button.

4 To obtain a sharp and clear picture and good sound quality, press the ◄ or ► button until you reach the optimal setting. Press the **ENTER/OK** (⊕) button.

➢ To reset the fine tuning to **0**, select **Reset** by pressing the ▲ or ▼ button.
Press the **ENTER/OK** (⊕) button.

5 Press the **EXIT** button to exit.

➢ Fine Tune Store will change the colour of the Channel OSD (On Screen Display) from White to Red and add the "*" mark.
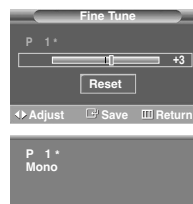
LNA (Low Noise Amplifier)

This function is very useful in the situation that the TV is used in weak signal. LNA amplifies the TV signal in the weak signal area, a low-noise preamplifier boosts the incoming signal.

1 Press the **MENU** (▯▯▯) button to display the menu.

2 Press the ▲ or ▼ button to select **Channel**, then press the **ENTER/OK** (⊕) button.

3 Press the ▲ or ▼ button to select **LNA**, then press the **ENTER/OK** (⊕) button.

4 Select **Off** or **On** by pressing the ▲ or ▼ button, then press the **ENTER/OK** (⊕) button.

5 Press the **EXIT** button to exit.

➢ Depending on areas, factory mode of LNA, will be set up as On or Off.

Changing the Picture Standard

You can select the type of picture which best corresponds to your viewing requirements.

1 Press the **MENU** (▯▯▯) button to display the menu.

2 Press the ▲ or ▼ button to select **Picture**, then press the **ENTER/OK** (⊕) button.

3 Press the **ENTER/OK** (⊕) button twice.

4 Select the required mode by pressing the ▲ or ▼ button, then press the **ENTER/OK** (⊕) button.

Available modes: **Dynamic**, **Standard**, **Movie**, **Custom**

➢ The settings values may vary depending on the input source. (ex. TV, Component, PC, or HDMI)

5 Press the **EXIT** button to exit.

➢ You can select these options simply by pressing the **P.MODE** button on the remote control.

➢ ◆ Choose Dynamic for viewing the TV during the day or when there is bright light in the room.
◆ Choose Standard for the standard factory settings.
◆ Choose Movie when viewing the movie.
◆ Choose Custom if you want to adjust the settings according to personal preference.
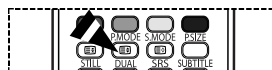
Customizing the Picture Settings

TV	Mode
Mode	: Dynamic
Contrast	100
Brightness	Cool2
Sharpness	Cool1
Colour	Normal
Tint	G 50 Warm1
Colour Tone	: Warm2
Reset	

‡ Move ↵ Enter ▥ Return

Your television has several setting options that allow you to control the picture quality.

1 Press the **MENU** (▯) button to display the menu.

**2** Press the ▲ or ▼ button to select `Picture`, then press the **ENTER/OK** (↵) button.

3 Press the **ENTER/OK** (↵) button twice.

4 Select the required mode by pressing the ▲ or ▼ button, then press the **ENTER/OK** (↵) button.

    <u>Available modes</u>: `Dynamic`, `Standard`, `Movie`, `Custom`

5 Select the required option by pressing the ▲ or ▼ button, then press the **ENTER/OK** (↵) button.

6 When you are satisfied with your setting, press the **ENTER/OK** (↵) button.

7 Press the **EXIT** button to exit.

◆ `Contrast` – `Brightness` – `Sharpness` – `Colour` – `Tint` (NTSC only)
◆ `Contrast` – `Brightness` – `Colour` : PC Mode
   Press the ◄ or ► button until you reach the optimal setting.

◆ `Colour Tone`: `Cool2/Cool1/Normal/Warm1/Warm2`

◆ `Reset`: You can return to the factory defaults picture settings.

    ➤ The reset function is set for each picture mode and colour tone.

Selecting the Picture Size

TV	Size
Auto Wide	
16:9	
Wide 4:3	
Zoom	
4:3	

‡ Move ↵ Enter ▥ Return

You can select the picture size which best corresponds to your viewing requirements.

1 Press the **MENU** (▯) button to display the menu.

2 Press the ▲ or ▼ button to select `Picture`, then press the **ENTER/OK** (↵) button.

3 Press the ▲ or ▼ button to select `Size`, then press the **ENTER/OK** (↵) button.

4 Select the required option by pressing the ▲ or ▼ button, then press the **ENTER/OK** (↵) button.

    <u>Available options</u>: `Auto Wide`, `16:9`, `Wide 4:3`, `Zoom`, `4:3`
◆ `Auto Wide`: Expanding and pulling up the picture from `4:3` to `16:9` ratio.
◆ `16:9`: Sets the picture to `16:9` wide mode.
◆ `Wide 4:3`: Magnify the size of the picture more than `4:3`.
        Move the screen up/down using the ▲ or ▼ button after selecting the ▤ by pressing the ► or **ENTER/OK** (↵) button.
◆ `Zoom`: Magnify the size of the picture vertically on screen.
◆ `4:3`: Sets the picture to `4:3` normal mode.

5 Press the **EXIT** button to exit.

    ➤ You can change the picture size simply by pressing the **P.SIZE** button on the remote control.
    ➤ If you change the picture size when PIP is On, PIP will automatically be turned Off.
    ➤ Depending on the input source, the picture size options may vary.
    ➤ The items available may differ depending on the selected mode.

Positioning and Sizing the screen using Zoom
◆ Resizing the screen using the **Zoom** enables the positioning and sizing of the screen to up/down direction using the ▲ or ▼ button as well as the screen size.
◆ Move the screen up/down using the ▲ or ▼ button after selecting the ▤ by pressing the ◄ or ► button.
◆ Resize the screen vertically using the ▲ or ▼ button after selecting the ▤ by pressing the ◄ or ► button.
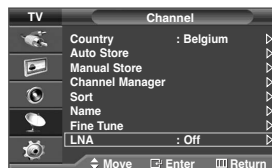
Digital NR / SMD / DNIe Demo

1 Press the **MENU** (▯▯▯) button to display the menu.

2 Press the ▲ or ▼ button to select `Picture`, then press the **ENTER/OK** (⊞⅃) button.

3 Select the required option by pressing the ▲ or ▼ button, then press the **ENTER/OK** (⊞⅃) button.

Available options: `Digital NR`, `SMD`, `DNIe Demo`

4 When you are satisfied with your setting, press the **ENTER/OK** (⊞⅃) button.

5 Press the **EXIT** button to exit.

◆ `Digital NR`: `On/Off`
If the signal received by the television is weak, you can activate this feature to reduce any static and ghosting that may appear on the screen.

◆ `SMD(Smooth Motion Driver)`: `On/Off`
If you set SMD to On, you can view more natural skin and clear text even in fast moving scenes.
➢ SMD is not available in PC mode.

◆ `DNIe Demo`: `On/Off`
This TV includes the DNIe function so as to provide a high visual quality.
If you set DNIe Demo to On, you can view an applied DNIe and a normal picture on the screen, for demonstration purposes. Using this function, you can view the difference in the visual quality.

➢ **DNIe™** (**D**igital **N**atural **I**mage **e**ngine) DNIe⸋
This feature brings you more detailed image with 3D noise reduction, detail enhancement, contrast enhancement and white enhancement. New image compensation Algorithm gives brighter, clearer, more detailed image to you. DNIe™ technology will fit every signal into your eyes.

➢ DNIe Demo is not available in PC mode.

TV	Picture	
	Mode	: Dynamic ▷
	Size	: Auto Wide ▷
	Digital NR	: On ▷
	SMD	: On ▷
	DNIe Demo	: Off ▷
	PIP	▷
	◆ Move ⊡ Enter ▥ Return	
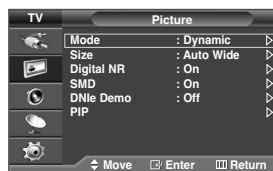
Viewing the Picture in Picture (PIP)

➢ Not available in DTV mode.

You can display a sub picture within the main picture. In this way you can watch TV program or monitor the video input from any connected devices.
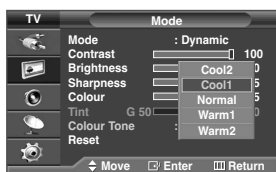
1 Press the **MENU** (▯▯▯) button to display the menu.

2 Press the ▲ or ▼ button to select `Picture`, then press the **ENTER/OK** (⊞⅃) button.

3 Press the ▲ or ▼ button to select `PIP`, then press the **ENTER/OK** (⊞⅃) button.

4 Select the required option by pressing the ▲ or ▼ button, then press the **ENTER/OK** (⊞⅃) button.

Available options: `PIP(On/Off)`, `Source`, `Position`, `Programme`

5 When you are satisfied with your setting, press the **ENTER/OK** (⊞⅃) button.

6 Press the **EXIT** button to exit.

TV	PIP	
	PIP	: On ▷
	Source	: TV ▷
	Position	: ▣ ▷
	Programme	: P 1
	◆ Move ⊡ Enter ▥ Return	

◆ `PIP`: `On/Off`
You can activate or deactivate the PIP function.
➢ You can select these options simply by pressing the **PIP** button on the remote control.

◆ `Source`: `TV/Ext.1/Ext.2`
You can select a source of the sub-picture.

◆ `Position`: ▣/▣/▣/▣
You can select a position of the sub-picture.

◆ `Programme`
You can select a channel of the sub-picture only when the `Source` is set to `TV`.

Table of PIP Settings   X - This PIP combination is not available.
                              O - This PIP combination is available.

Main \ Sub	TV	Ext.1	Ext.2	PC
TV	X	X	X	X
Ext.1	X	X	X	X
Ext.2	X	X	X	X
Component	X	X	X	X
HDMI	O	O	O	X
PC	O	O	O	X
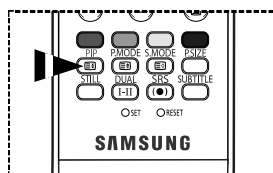
Sound Features
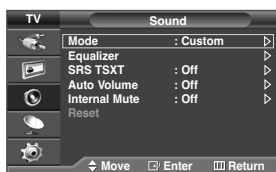
TV	Sound	
	Mode	: Custom ▷
	Equalizer	▷
	SRS TSXT	: Off ▷
	Auto Volume	: Off ▷
	Internal Mute	: Off ▷
	Reset	

♦ Move · □ Enter · ▥ Return

< If Game Mode is On >

TV	Sound	
	Mode	: Custom ▷
	Equalizer	▷
	SRS TSXT	: Off ▷
	Auto Volume	: Off ▷
	Internal Mute	: Off ▷
	Reset	

♦ Move · □ Enter · ▥ Return

TV	Equalizer

R
L
Balance 100Hz 300Hz 1KHz 3KHz 10KHz

▷ Move · ♦ Adjust · ▥ Return
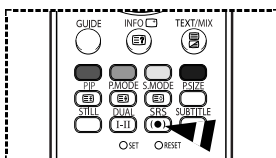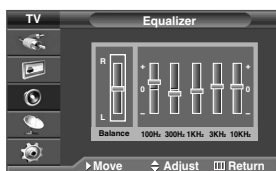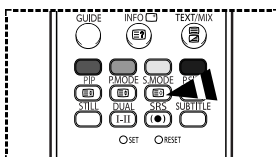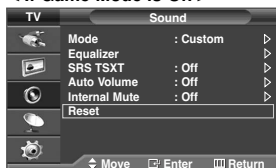
1 Press the **MENU** (▥) button to display the menu.

2 Press the ▲ or ▼ button to select `Sound`, then press the **ENTER/OK** (⊡) button.

3 Select the required option by pressing the ▲ or ▼ button, then press the **ENTER/OK** (⊡) button.

Available options: `Mode`, `Equalizer`, `SRS TSXT`, `Auto Volume`, `Internal Mute`, `Reset` (If Game Mode is On)

4 When you are satisfied with your setting, press the **ENTER/OK** (⊡) button.

5 Press the **EXIT** button to exit.

◆ `Mode`: `Standard/Music/Movie/Speech/Custom`
You can select the type of special sound effect to be used when watching a given broadcast.

➤ You can select these options simply by pressing the **S.MODE** button on the remote control.

◆ `Equalizer`: `Balance/100Hz/300Hz/1KHz/3KHz/10KHz`
The television has several settings which allow you to control the sound quality.

➤ If you make any changes to these settings, the sound mode is automatically switched to `Custom`.

◆ `SRS TSXT`: `On/Off`
TruSurround XT is a patented SRS technology that solves the of playing 5.1 multichannel content over two speakers. TruSurround delivers a compelling, virtual surround sound experience through any two-speaker playback system, including internal television speakers. It is fully compatible with all multichannel formats.

➤ You can select these options simply by pressing the **SRS** button on the remote control.

➤ TruSurround XT, SRS and (●) Symbol are trademarks of SRS Labs, Inc. TruSurround XT technology is incorporated under license from SRS Labs, Inc.

SRS(●)
TruSurround XT

◆ `Auto Volume`: `On/Off`
Each broadcasting station has its own signal conditions, and so it is not easy to adjust the volume every time the channel is changed. This feature lets you automatically adjust the volume of the desired channel by lowering the sound output when the modulation signal is high or by raising the sound output when the modulation signal is low.

◆ `Internal Mute`: `On/Off`
If you want to hear the sound through separate speakers, cancel the internal amplifier.

➤ The **VOL +**, **VOL -** and **MUTE** buttons do not operate when the Internal Mute is set to On.

◆ `Reset`
If Game Mode is On, the Reset Sound function is activated. Selecting the Reset function after setting the equalizer resets the equalizer setting to the factory defaults.

Time Features

1 Press the **MENU** (▢) button to display the menu.

2 Press the ▲ or ▼ button to select `Setup`, then press the **ENTER/OK** (⊕) button.

3 Press the ▲ or ▼ button to select `Time`, then press the **ENTER/OK** (⊕) button.

4 Select the required option by pressing the ▲ or ▼ button, then press the **ENTER/OK** (⊕) button.

Available options: `Clock Set`, `Sleep Timer`, `On Timer`, `Off Timer`

5 When you are satisfied with your setting, press the **ENTER/OK** (⊕) button.

6 Press the **EXIT** button to exit.
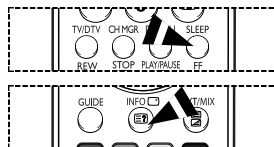
◆ **`Clock Set`**
You can set the television clock so that the current time is displayed when pressing the **INFO** (▢) button on the remote control. You must also set the time if you wish to use the automatic on or off timers.

  – Press the ◄ or ► button to select `Hour` or `Minute`.
    Set these by pressing the ▲ or ▼ button.

  ➢ You can set the hour and minute directly by pressing the numeric buttons on the remote control.

  ➢ In the event of a power interruption or the set being turned off at the supply, the settings for the Clock will be lost.

◆ **`Sleep Timer`**
You can select a time period of between 30 and 180 minutes after which the television automatically switches to standby mode.

  – Select the preset time interval (`Off`, `30`, `60`, `90`, `120`, `150`, or `180`) for staying on by pressing the ▲ or ▼ button.

  ➢ You can select these options simply by pressing the **SLEEP** button on the remote control. If the sleep timer is not yet set, `Off` is displayed. If it is already set, the remaining time before which the television switches to standby mode is displayed.

◆ **`On Timer / Off Timer`**
You can set the On/Off timers so that the television will switch on or off automatically at the time you select.
☛ You must set the clock first.
  – **`On Timer`**: Select `Hour`, `Minute`, `Programme`, or `Volume` by pressing the ◄ or ► button.
    Set these by pressing the ▲ or ▼ button.
    To activate `On Timer` with the setting satisfied, set `Activation` to `Yes` by ▲ or ▼ button.

    ➢ You can set the hour and minute directly by pressing the numeric buttons on the remote control.

  – **`Off Timer`**: Select `Hour` or `Minute` by pressing the ◄ or ► button.
    Set these by pressing the ▲ or ▼ button.
    To activate `Off Timer` with the setting satisfied, set `Activation` to `Yes` by ▲ or ▼ button.

    ➢ You can set the hour and minute directly by pressing the numeric buttons on the remote control.

☛ **Auto Power Off**
When you set the timer "On", the TV will eventually turn off, if no controls are operated for 3 hours after the TV was turned on by timer. This function is only available in timer "On" mode and prevents overheating, which may occur if a TV is on for too long.

Language / Blue Screen / Melody / Energy Saving

TV	Setup	
	Plug & Play	▷
	Language : English	▷
	Time	▷
	Game Mode : Off	▷
	Blue Screen : Off	▷
	Melody : Off	▷
	PC	▶
	▽ More	
	♦ Move ⊡ Enter Ⅲ Return	

1 Press the **MENU** (▢▢) button to display the menu.

2 Press the ▲ or ▼ button to select `Setup`, then press the **ENTER/OK** (⊡) button.

3 Select the required option by pressing the ▲ or ▼ button, then press the **ENTER/OK** (⊡) button.

 <u>Available options</u>: `Language`, `Blue Screen`, `Melody`, `Energy Saving`

4 When you are satisfied with your setting, press the **ENTER/OK** (⊡) button.

5 Press the **EXIT** button to exit.

◆ **`Language`**
 It is variable depending on the model. When you start using the television for the first time, you must select the language which will be used for displaying menus and indications.

◆ **`Blue Screen`**: **`On/Off`**
 If no signal is being received or the signal is very weak, a blue screen automatically replaces the noisy picture background. If you wish to continue viewing the poor picture, you must set the `Blue Screen` to `Off`.

◆ **`Melody`**: **`On/Off`**
 You can hear melody sound when the television is powered on or off.

◆ **`Energy Saving`**: **`Off/Low/Medium/High`**
 This feature adjusts the screen brightness depending on the surrounding lighting conditions.
 `Off`: Switches off the `Energy Saving` mode.
 `Low`: Operates in standard mode regardless of the surrounding illumination.
 `Medium`: Enters Medium power saving mode regardless of the surrounding illumination.
 `High`: Enters maximum power saving mode regardless of the surrounding illumination.

Using Game Mode

When connecting to a game console such as PlayStation™ or Xbox™, you can
enjoy a more realistic gaming experience by selecting game menu.

TV	Setup	
	Plug & Play	
	Language : English	▷
	Time	▷
	Game Mode : Off	▷
	Blue Screen : Off	▷
	Melody : Off	▷
	PC	▶
	▽ More	
	♦ Move ⊡ Enter Ⅲ Return	

1 Press the **MENU** (▢▢) button to display the menu.

2 Press the ▲ or ▼ button to select `Setup`, then press the **ENTER/OK** (⊡) button.

3 Press the ▲ or ▼ button to select `Game Mode`, then press the **ENTER/OK** (⊡) button.

4 Select `Off` or `On` by pressing the ▲ or ▼ button, then press the **ENTER/OK** (⊡) button.

5 Press the **EXIT** button to exit.

➢ To disconnect the game console and connect another external device, cancel game mode in the setup menu.

➢ If you display the TV menu in Game mode, the screen shakes slightly.

➢ Game Mode is not available in TV mode.

➢ **If Game Mode is On :**
 ◆ Picture Mode is automatically changed to Custom and users cannot change the mode.
 ◆ Sound Mode is automatically changed to Custom and users cannot change the mode.
 ◆ The Reset Sound function is activated. Selecting the Reset function after setting the equalizer resets the equalizer setting to the factory defaults.

Screen Burn Protection

To reduce the possibility of screen burn, this unit is equipped with screen burn prevention technology. This technology enables you to set picture movement up/down (Vertical Line) and side to side (Horizontal Dot). The Time setting allows you to program the time between movement of the picture in minutes.

TV	Screen Burn Protection
	Pixel Shift ▷
	All White ▷
	Signal Pattern ▷

‡ Move ⏎ Enter ▥ Return

1 Press the **MENU** (▯) button to display the menu.

2 Press the ▲ or ▼ button to select **Setup**, then press the **ENTER/OK** (⏎) button.

3 Press the ▲ or ▼ button to select **Screen Burn Protection**, then press the **ENTER/OK** (⏎) button.

4 Select the required option by pressing the ▲ or ▼ button, then press the **ENTER/OK** (⏎) button.

    Available options: **Pixel Shift**, **All White**, **Signal Pattern**

TV	Pixel Shift
	Pixel Shift : On ▷
	Horizontal Dot : 4 ▷
	Vertical Line : 4 ▷
	Time : 4 ▷

‡ Move ⏎ Enter ▥ Return

5 When you are satisfied with your setting, press the **ENTER/OK** (⏎) button.

6 Press the **EXIT** button to exit.
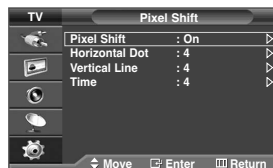
◆ **Pixel Shift**: Using this function, you can minutely move pixels on the PDP in horizontal or vertical direction to minimize after image on the screen.

  – Set **Pixel Shift** to **On** by pressing the ▲ or ▼ button, then press the **ENTER/OK** (⏎) button.
  – Select the required option by pressing the ▲ or ▼ button, then press the **ENTER/OK** (⏎) button.

    Available options: **Horizontal Dot**, **Vertical Line**, **Time**

➤ Optimum condition for pixel shift;

PS-42C6HD	
Horizontal Dot	4
Vertical Line	4
Time (minute)	4

PS-50C6HD	
Horizontal Dot	1
Vertical Line	1
Time (minute)	4

◆ **All White**: This function helps remove after images on the screen by changing the colour of pixels to white. Use this function when there are remaining after images or symbols on the screen especially when you displayed a still image on the screen for a long time.

◆ **Signal Pattern**: This function helps remove after images on the screen by moving all the pixels on the PDP according to a pattern. Use this function when there are remaining after images or symbols on the screen especially when you displayed a still image on the screen for a long time.

➤ To remove after images on the screen, use either "**All White**" or "**Signal Pattern**" function. Although both of the two functions remove after images on the screen, "**Signal Pattern**" is more effective.

➤ The after image removal function has to be executed for a long time (approximately 1 hour) to effectively remove after images on the screen.
  If after image is not improved after the execution of the function, repeat the function again.

➤ Press any button on the remote control to cancel this feature.

Setting the Blue Eye

You can set the power of Blue LED to be on. If the power is off when Blue Eye is off, the Blue LED goes off after 5 seconds. This will save power and reduce eye fatigue.

| TV	Setup
	△ More
	Energy Saving : Off ▷
	Screen Burn Protection ▷
	Blue Eye : On ▷

‡ Move ⏎ Enter ▥ Return

1 Press the **MENU** (▯) button to display the menu.

2 Press the ▲ or ▼ button to select **Setup**, then press the **ENTER** (⏎) button.

3 Press the ▲ or ▼ button to select **Blue Eye**, then press the **ENTER** (⏎) button.

4 Select **Off** or **On** by pressing the ▲ or ▼ button, then press the **ENTER** (⏎) button.

  ◆ **Off**: LED(Blue) will not come on.
  ◆ **On**: LED(Blue) will come on after you turn the TV off.

5 Press the **EXIT** button to exit.
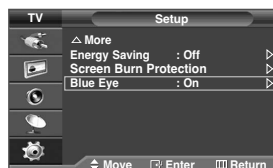
Setting up Your PC Software (Based on Windows XP)

The Windows display-settings for a typical computer are shown below.
But the actual screens on your PC will probably be different, depending upon
your particular version of Windows and your particular video card. But even if
your actual screens look different, the same, basic set-up information will apply
in almost all cases. (If not, contact your computer manufacturer or Samsung
Dealer.)

1   Right click the mouse on the Windows Desktop, then click on **Properties**.
    The **Display Properties** will be displayed.
2   Click on **Settings tab**, then set the Display Mode with reference to the
    Display Modes Table. You do not need to change the Colours settings.
3   Click on **Advanced**. A new settings dialog box will be displayed.
4   Click on the **Monitor** tab, then set the **Screen refresh rate** with reference to the Display Modes Table.
    Set the Vertical Frequency and Horizontal Frequency individually if you can do so instead of setting the
    Screen refresh rate.
5   Click on **OK** to close the window, then Click on **OK** button to the **Display Properties** window.
    Automatic re-booting may commence at this moment.
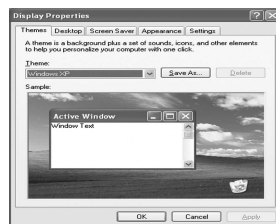
Input Mode (PC)

Both screen position and size will vary depending on the type of PC monitor and its resolution.
The table below shows all of the display modes that are supported:

Video Signal	Resolution (Dot X Line)	Vertical frequency (Hz)	Horizontal frequency (kHz)	Vertical polarity	Horizontal polarity	PS-42C6HD	PS-50C6HD
IBM PC / AT Compatible	640 x 350	70.086	31.469	N	P	✔	✔
	720 x 400	70.087	31.469	P	N	✔	✔
	640 x 480	59.940	31.469	N	N	✔	✔
		70.000	35.000	N/P	N/P	✔	✔
		72.809	37.861	N	N	✔	✔
		75.000	37.500	N	N	✔	✔
	800 x 600	56.250	35.156	N/P	N/P	✔	✔
		60.317	37.879	P	P	✔	✔
		70.000	43.750	N/P	N/P	✔	✔
		72.188	48.077	P	P	✔	✔
		75.000	46.875	P	P	✔	✔
	848 x 480	60.000	31.020	P	P	✔	
		74.769	37.684	P	N	✔	
	1024 x 768	60.004	48.363	N	N	✔	✔
		70.069	56.476	N	N	✔	✔
		72.000	57.672	N/P	N/P	✔	✔
		75.029	60.023	P	P	✔	✔
	1280 x 720	59.855	44.772	N	P		✔
	1360 x 768	60.015	47.712	P	P		✔

(N: Negative / P: Positive)

◆   The interlace mode is not supported.
◆   The television might operate abnormally if a non-standard video format is selected.
◆   480i/p, 576i/p, 720p, or 1080i is not available in PC mode.
◆   The PC text quality is optimum in **XGA** mode (1024 x 768@60Hz). (PS-42C6HD)
◆   The PC text quality is optimum in **WXGA** mode (1360 x 768@60Hz). (PS-50C6HD)

➢   This device is a Class B digital apparatus.

Setting the PC

➤ Preset to the **PC** mode by pressing the **SOURCE** (⊟) button.

1 Press the **MENU** (▭) button to display the menu.

2 Press the ▲ or ▼ button to select `Setup`, then press the **ENTER/OK** (⊕) button.

3 Press the ▲ or ▼ button to select `PC`, then press the **ENTER/OK** (⊕) button.

4 Select the required option by pressing the ▲ or ▼ button, then press the **ENTER/OK** (⊕) button.

Available options: `Image Lock`, `Position`, `Auto Adjustment`, `Image Reset`

5 When you are satisfied with your setting, press the **ENTER/OK** (⊕) button.

6 Press the **EXIT** button to exit.

◆ **`Image Lock`: `Coarse/Fine`**
The purpose of picture quality adjustment is to remove or reduce picture noise.
If the noise is not removed by Fine-tuning alone, then adjust the frequency
as best as possible (coarse) and Fine-tune again.
After the noise has been reduced, re-adjust the picture so that it is aligned
on the center of screen.

   1 Press the ▲ or ▼ button to select `Coarse` or `Fine`, then press the **ENTER/OK** (⊕) button.

   2 Press the ◄ or ► button to adjust the screen quality, vertical stripes may appear or the picture may be blurry. Press the **ENTER/OK** (⊕) button.

◆ **`Position`:**
Adjust the PC's screen positioning if it does not fit the TV screen.

   1 Adjust the position by pressing the ▲/▼/◄/► button.

   2 Press the **ENTER/OK** (⊕) button.

◆ **`Auto Adjustment`:**
Auto adjustment allows the PC screen of set to self-adjust to the incoming
PC video signal.
The values of fine, coarse and position are adjusted automatically.

◆ **`Image Reset`:**
You can replace all image settings with the factory default values.

TV	PC	
	Image Lock	▷
	Position	▷
	Auto Adjustment	▷
	Image Reset	▷
	◆ Move ⏎ Enter ▥ Return	

TV	Image Lock	
	Coarse	50
	Fine	0
	◆ Move ⏎ Enter ▥ Return	

TV	Position	
	◇ Move ⏎ Enter ▥ Return	
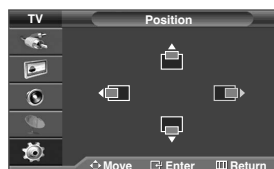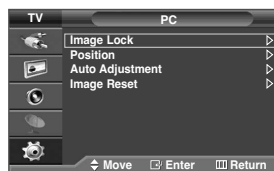
Auto Adjustment in progress
Please wait

Image Reset has completed.
Return

Previewing the DTV Menu System (depending on the model)

➢ Available in DTV mode.
  Preset to the DTV mode by using the **TV/DTV** button on your remote control.

To help you navigate around the on-screen menu system and adjust the various settings available, refer to the following illustration.
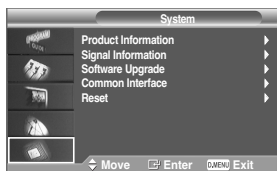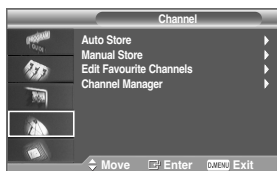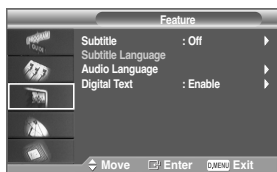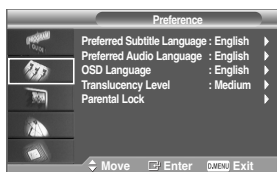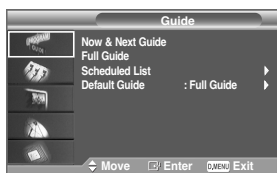
Press the **D.MENU** button on your remote control.

Guide
- Now & Next Guide
- Full Guide
- Scheduled List
- Default Guide ──→ Now/Next
                     Full Guide

Preference
- Preferred Subtitle Language ──→ English
                                   Welsh
                                   Gaelic
                                   Irish
- Preferred Audio Language ──→ English
                                Welsh
                                Gaelic
                                Irish
- OSD Language ──→ English
                   Deutsch
                   Français
                   Italiano
                   Svenska
- Translucency Level ──→ High
                         Medium
                         Low
                         Opaque
- Parental Lock ──→ Parental Rating
                    Change PIN

Feature
- Subtitle ──→ Off
               On
- Subtitle Language ──→ English
- Audio Language ──→ English
- Digital Text ──→ Disable
                   Enable

Channel
- Auto Store
- Manual Store ──→ Channel
                   Frequency
                   Bandwidth
- Edit Favourite Channels
- Channel Manager

System
- Product Information
- Signal Information
- Software Upgrade
- Common Interface ──→ Application Info.
                       CI Menu
- Reset

Guide
Now & Next Guide	
Full Guide	
Scheduled List	▶
Default Guide	: Full Guide ▶

◆ Move ↵ Enter D.MENU Exit

Preference
Preferred Subtitle Language	: English ▶
Preferred Audio Language	: English ▶
OSD Language	: English ▶
Translucency Level	: Medium ▶
Parental Lock	▶

◆ Move ↵ Enter D.MENU Exit

Feature
Subtitle	: Off ▶
Subtitle Language	
Audio Language	▶
Digital Text	: Enable ▶

◆ Move ↵ Enter D.MENU Exit

Channel
Auto Store	▶
Manual Store	▶
Edit Favourite Channels	▶
Channel Manager	▶

◆ Move ↵ Enter D.MENU Exit

System
Product Information	▶
Signal Information	▶
Software Upgrade	▶
Common Interface	▶
Reset	▶

◆ Move ↵ Enter D.MENU Exit

➢ The sub-items of the CI Menu may vary depending on the CAM model.
  (refer to page 34)

Updating the Channel Manager Automatically

You can update the channel manager when the broadcaster adds new Services or if you move the TV to a new location.

1 Press the **D.MENU** button.
Result: The DTV menu is displayed.

2 Press the ▲ or ▼ button to select **Channel**.
Result: The **Channel** menu is displayed.

3 Press the **ENTER/OK** (⊡) button.
Result: The **Auto Store** is displayed.

4 Press the **ENTER/OK** (⊡) button again to start the search.
Result: When it has finished, the number of scanned services will be displayed.
◆ The existing favourite channel manager will not be deleted when the channel list is updated.
◆ To stop the scan before it has finished, press the **ENTER/OK** (⊡) button with **Stop** selected.

5 Press the **D.MENU** button to return to the previous menu or press the **EXIT** button to return to normal viewing.

➢ If the signal status is poor, "**No service found! Check the aerial connection.**" message is displayed.

Channel
Auto Store ▶
Manual Store ▶
Edit Favourite Channels ▶
Channel Manager ▶
◆ Move ⊡ Enter D.MENU Return

Auto Store
Scanning for digital services...
▭▭▭▭▭▭ 35%
Services found : 24   Channel : 38
Stop
D.MENU Return

Auto Store
Scanning for digital services...
▭▭▭▭▭▭▭▭ 100%
Services found : 30   Channel : 68
Update Channel List...
D.MENU Return
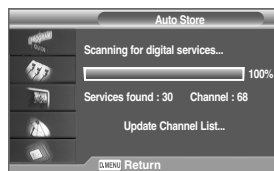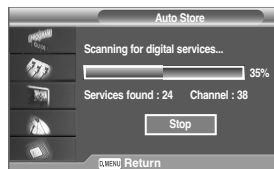
Updating the Channel Manager Manually

You can specify the channel or frequency for a fast channel search.

1 Press the **D.MENU** button.
Result: The DTV menu is displayed.

2 Press the ▲ or ▼ button to select **Channel**.
Result: The **Channel** menu is displayed.

3 Press the **ENTER/OK** (⊡) button.

4 Press the ▲ or ▼ button to select **Manual Store**.
Press the **ENTER/OK** (⊡) button.
Result: The **Manual Store** is displayed.

5 Press the ◄ or ► button to select **Channel**, **Frequency**, or **Bandwidth**.

◆ **Channel**
Press the ▲, ▼ or numeric buttons (0~9) to select a channel.
The available channels are 21~68.
Result: The corresponding frequency for the selected channel is automatically set.

◆ **Frequency**
You can specify the frequency (KHz) using the numeric buttons (0~9).
If you do not know the exact frequency, follow the above step to select the frequency automatically using channel.

◆ **Bandwidth**
Press the ▲ or ▼ button to select a bandwidth.
The available bandwidths are 7 and 8 MHz.
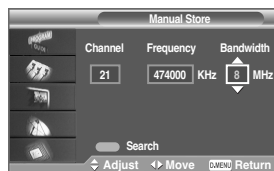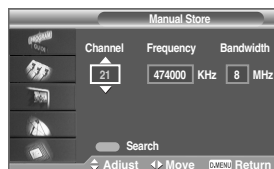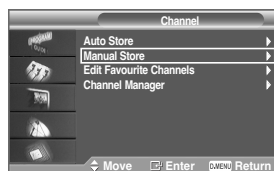
6 Press the red button to start the scan for digital services.
Result: When it has finished, channels are updated in the channel manager.

7 Press the **D.MENU** button to return to the previous menu or press the **EXIT** button to return to normal viewing.

Channel
Auto Store ▶
Manual Store ▶
Edit Favourite Channels ▶
Channel Manager ▶
◆ Move ⊡ Enter D.MENU Return

Manual Store		
Channel	Frequency	Bandwidth
21	474000 KHz	8 MHz
● Search		
◆ Adjust ◄► Move D.MENU Return		

Manual Store		
Channel	Frequency	Bandwidth
21	474000 KHz	8 MHz
● Search		
0~9 Enter freq. ◄► Move D.MENU Return		

Manual Store		
Channel	Frequency	Bandwidth
21	474000 KHz	8 MHz
● Search		
◆ Adjust ◄► Move D.MENU Return		

Editing Your Favourite Channels
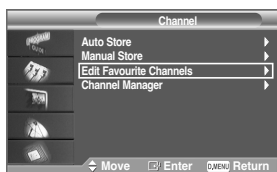
➢ In the case of DTV mode, **OK** or **Select** can be used as the **ENTER/OK** (⊡) button.

You can edit your favourite channels using the colour buttons.

1 Press the **D.MENU** button.
Result: The DTV menu is displayed.

2 Press the ▲ or ▼ button to select **Channel**.
Result: The **Channel** menu is displayed.

3 Press the **ENTER/OK** (⊡) button.

4 Press the ▲ or ▼ button to select **Edit Favourite Channels**.

5 Press the **ENTER/OK** (⊡) button.
Result: The **Edit Favourite Channels** menu is displayed.

6 Press the red button to display all currently stored channels.

7 Press the ▲ or ▼ button to select a channel you want.
Press the **ENTER/OK** (⊡) button.
Result: A ★ icon is shown next to the selected channel and the channel will be added to the favourites list.

➢ ◆ To undo, press the **ENTER/OK** (⊡) button again.
◆ **Select All** : Select all channels currently displayed.
◆ **Select None** : Deselect all selected channels.
◆ **Preview** : Displays (a) currently selected channel(s).
➢ The Favourite Channels settings have been completed.

8 Press the **D.MENU** button to return to the previous menu or press the **EXIT** button to return to normal viewing.
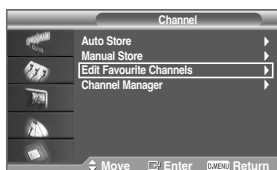
◆ ***Add***
You can use this function when one or more favourite channels have been selected.

1 Press the **D.MENU** button.
Result: The DTV menu is displayed.

2 Press the ▲ or ▼ button to select **Channel**.
Result: The **Channel** menu is displayed.

3 Press the **ENTER/OK** (⊡) button.

4 Press the ▲ or ▼ button to select **Edit Favourite Channels**.

5 Press the **ENTER/OK** (⊡) button.

Editing Your Favourite Channels

6   Press the red button in the **Edit Favourite Channels** menu.
     To add more channels, refer to the step **7** on the previous page.

➤   ◆ To add all channels to the favourites channel manager,
       press the red button.
     ◆ To remove all channels, press the green button.
     ◆ **Preview** : Displays (a) currently selected channel(s).
     ◆ Press the **CH MGR** button to display the favourite channel manager.

 7   Press the **D.MENU** button to return to the previous menu or press the
     EXIT button to return to normal viewing.
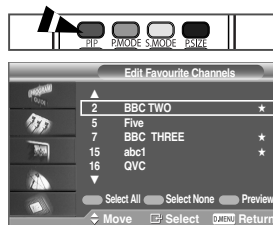
◆ **Move**

1   Press the **D.MENU** button.
     Result: The DTV menu is displayed.

2   Press the ▲ or ▼ button to select **Channel**.
     Result: The **Channel** menu is displayed.

3   Press the **ENTER/OK** (⊡) button.

4   Press the ▲ or ▼ button to select **Edit Favourite Channels**.

5   Press the **ENTER/OK** (⊡) button.

6   Press the ▲ or ▼ button to select the required channel.

7   Press the green button.
     Result: A ⬍ icon is displayed on the left side of the channel name.

8   Press the ▲ or ▼ button to select the channel that you want to move,
     then press the green or **ENTER/OK** (⊡) button.
     Result: The channel is moved to its new position.

9   Press the **D.MENU** button to return to the previous menu or press the
     EXIT button to return to normal viewing.

◆ **Preview**

1   In the **Edit Favourite Channels** menu, select the channel to be
     previewed by pressing the ▲ or ▼ button.

2   Press the yellow button.
     Result: Displays currently selected channel.

3   Press the **D.MENU** button to return to the previous menu or press the
     EXIT button to return to normal viewing.

◆ **Delete**

1   In the **Edit Favourite Channels** menu, select the channel to be
     deleted from the favourite channels list by pressing the ▲ or ▼ button.

2   Press the blue button.
     Result: The selected channel and number will be deleted.
     ➤ To add a deleted channel back in to the favourite channel manager,
       see **Add** on page 24.

3   Press the **D.MENU** button to return to the previous menu or press the
     EXIT button to return to normal viewing.

Viewing Channel Manager

You can display a list of all channels or your favourite channels.

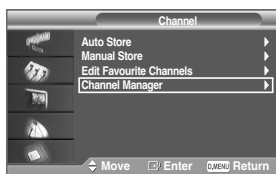**1** Press the **D.MENU** button.
Result: The DTV menu is displayed.

2 Press the ▲ or ▼ button to select **Channel**.
Result: The **Channel** menu is displayed.

3 Press the **ENTER/OK** (⏎) button.

4 Press the ▲ or ▼ button to select **Channel Manager**.
Press the **ENTER/OK** (⏎) button.
Result: The channel manager is displayed.

➢ It can be displayed simply by pressing the **CH MGR** button.

5 Press the yellow button to toggle between your favourite channels and all channels.
Result: Your favourite channels are only displayed if they were previously set in the **Edit Favourite Channels** menu (refer to page 24~25).

6 Press the red or green button to display the previous or next channel manager page.

7 Press the ▲ or ▼ button to select a channel to be tuned.
Press the **ENTER/OK** (⏎) button.
Result: The channel number, name and an icon are displayed in the top left corner while changing the channel. The channel number and name are displayed if the channel is one of the all channels, and a ★ icon if the channel is one of the favourite channels.

8 Press the blue or **CH MGR** button to exit from the channel manager.

Displaying Programme Information
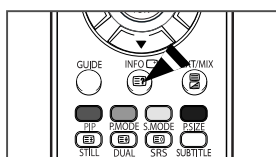
While viewing a channel, additional information about the current programme may be displayed.

1 While viewing a programme, press the **INFO** (⊡) button.
Result: The programme information is displayed.

➢ The information is displayed:
- Parental Rating
- Video Type: SD, HD, Radio
- Audio Type: MPEG, Dolby-AC3
- Existence of Teletext or DVB Subtitle
- Audio Language

2 To exit from banner information, press the **INFO** (⊡) button.

Viewing the EPG (Electronic Programme Guide) Information

The EPG (Electronic Programme Guide) information is provided by the broadcasters. Programme entries may appear blank or out of date as a result of the information broadcast on a given channel. The display will dynamically update as soon as new information becomes available.

◆ **Now & Next Guide**
For the six channels indicated in the left-hand column, displays the Current programme and the Next programme information.

◆ **Full Guide**
Displays the programme information as time ordered One hour segments. Two hours of programme information is displayed which may be scrolled forwards or backwards in time.

1 Press the **D.MENU** button.
<u>Result</u>: The DTV menu is displayed.

2 Press the **ENTER/OK** (⊕) button to select `Guide`.

3 Press the ▲ or ▼ button to select `Now & Next Guide` or `Full Guide`.
Press the **ENTER/OK** (⊕) button.
<u>Result</u>: The selected guide menu is displayed.

➤ You can also display the guide menu simply by pressing the **GUIDE** button.

4

To	Then
Watch a programme in the EPG list	◆ Select a programme by pressing the ▲/▼/◀/▶ button. ◆ Press the **ENTER/OK** (⊕) button.

➤ If the next program is selected, it is scheduled with the clock icon displayed. If the **ENTER/OK** (⊕) button is pressed again, the scheduling is canceled with the clock icon gone.
For details about scheduling programmes, refer to the next page.

To	Then
View programme information	◆ Select a programme of your choice by pressing the ▲/▼/◀/▶ button. ◆ Press the **INFO** (⊡) button when the programme of your choice is highlighted.
Toggle between the `Now & Next Guide` or `Full Guide`	◆ Press the red button repeatedly.
Display the `Favourites` and the `All Channels` list	◆ Press the green button repeatedly.
Scrolls backwards quickly (2 hours).	◆ Press the yellow button repeatedly.
Scrolls forward quickly (2 hours).	◆ Press the blue button repeatedly.
Exit the guide	◆ Press the Exit button.

➤ ◆ Information such as the channel number, programme title and running time, status bar, and brief summary of the highlighted programme will be displayed in the top right corner of the screen. If there is a lengthy summary, "…" will be displayed. Press the **INFO** (⊡) button for the full summary text.

◆ Six channels are displayed. To scroll between channels, move to a channel using the ▲ or ▼ button. To display page by page, use the **P** ⌃ or ⌄ button.

Using the Scheduled List

Guide

PROGRAM GUIDE

Now & Next Guide
Full Guide
Scheduled List ▶
Default Guide : Full Guide ▶

Move 🖃 Enter D.MENU Return

Scheduled List

Thursday 22 Apr 15:30 ~ 18:00 Once
2 BBC TWO Animal Park
Thursday 22 Apr 20:00 ~ 21:00 Once
2 BBC TWO The Hairy Biker's

Add Programme Edit Delete
Move D.MENU Return

Scheduled List

Channel QVC
Time 15 : 20 to -- : --
Date Thu 03 Mar 2005
Frequency Once

Save Cancel
Adjust 🖃 Move D.MENU Return

Scheduled List

Channel QVC
Time 15 : 20 to -- : --
Date Thu 03 Mar 2005
Frequency Once

Save Cancel
0..9 Edit 🖃 Move D.MENU Return

Scheduled List

Channel QVC
Time 15 : 20 to -- : --
Date Thu 03 Mar 2005
Frequency Once

Save Cancel
Adjust 🖃 Move D.MENU Return

Scheduled List

Channel QVC
Time 15 : 20 to -- : --
Date Thu 03 Mar 2005
Frequency Once

Save Cancel
Adjust 🖃 Move D.MENU Return

Scheduled List

Thursday 22 Apr 15:30 ~ 18:00 Once
2 BBC TWO Animal Park
Thursday 22 Apr 20:00 ~ 21:00 Once
2 BBC TWO The Hairy Biker's

Add Programme Edit Delete
Move D.MENU Return

If you make a scheduled viewing list of programs you may like to see, the channel will be automatically switched to
the scheduled program at the scheduled time even if you are watching another program.

1 Press the **D.MENU** button.
Result: The DTV menu is displayed.

2 Press the **ENTER/OK** (🖃) button to select **Guide**.

3 Select the **Scheduled List** by pressing the ▲ or ▼ button.
Press the **ENTER/OK** (🖃) button.
Result: The selected guide menu is displayed.

4 Press the red button to add a new programme.
Result: The menu for adding a programme is displayed with **Channel** selected.

5 Press the ▲ or ▼ button to select the required channel.
Press the **ENTER/OK** (🖃) button.
Result: The **Time** is selected.

6 Enter the start and stop time of the programme by pressing the numeric button. You also can use ▲ or ▼ button to select time.
Press the **ENTER/OK** (🖃) button.
Result: The **Date** is selected automatically, even if any button is not pressed.

7 Press the ▲ or ▼ button to select the required date.
Press the **ENTER/OK** (🖃) button.
Result: The **Frequency** is selected.

8 Press the ▲ or ▼ button to select the required frequency (**Once**, **Daily**, or **Weekly**).

9 When you are satisfied with your settings, save the adjusted schedule by pressing the red button.
Result: The scheduled list is displayed again.

10 If you want to edit the scheduled programme, select a programme by pressing the ▲ or ▼ button. Press the green button.
If necessary, select the programme to be deleted by pressing the ▲ or ▼ button. Press the blue button.

11 Repeat step **4** to **9** for other programme to be added to the scheduled list.

➢ When watching analog TV, the reserved DTV channel cannot be changed. The channel is only changed automatically to the reserved channel when you are watching DTV.

➢ The more simple and easy way for scheduling programmes, refer to the step 4 on page 27.

➢ Scheduling programme only functions with the television already turned on, and not from standby mode.
For details about switching the television on and off automatically, refer to page 17.

Setting the Default Guide
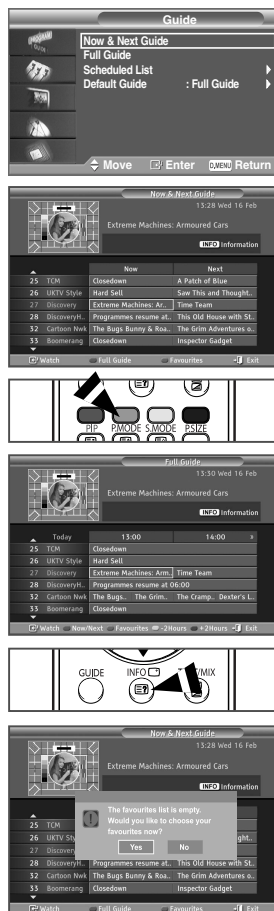
You can preset the default guide style.

1 Press the **D.MENU** button.
Result: The DTV menu is displayed.

2 Press the **ENTER/OK** (⊕) button to select **Guide**.

3 Press the ▲ or ▼ button to select **Default Guide**.
Press the **ENTER/OK** (⊕) button.

4 Select the required option **(Now & Next Guide** or **Full Guide)** by pressing
the ▲ or ▼ button. Press the **ENTER/OK** (⊕) button.
Result: The selected option for Default Guide is displayed on the EPG menu
and the channel list appears.

5 Press the **D.MENU** button to return to the previous menu or press the **EXIT**
button to return to normal viewing.

Viewing All Channels and Favourite Channels

In the EPG menu, you can display all channels or favourite channels.

1 Press the **D.MENU** button.
Result: The **Guide** menu is displayed.

2 Press the **ENTER/OK** (⊕) button to select **Guide**.

3 Press the ▲ or ▼ button to select **Now & Next Guide** or **Full Guide**.
Press the **ENTER/OK** (⊕) button.
Result: The selected guide menu is displayed.

4 Press the green button repeatedly to toggle between the all and favourite
channels list.

5 Select a programme of your choice by pressing the ▲/▼/◄/► button.

6 Press the **INFO** (⊕) button to display information about the highlighted
programme.
Result: The available programme information is displayed.

7 **When the favourite channel manager has not been set up:**
  ◆ **The favourites list is empty. Would you like to choose**
    your favourites now? message is displayed.

  ◆ Select **Yes**.
    Result: The **Edit Favourite Channels** menu is displayed. If you
    select **No**, all channels will remain unchanged.

  ◆ To edit the favourite channels, refer to page 24~25 for more details.

8 Press the **D.MENU** button to return to the previous menu or press the **EXIT**
button to return to normal viewing.

➤ ◆ **All Channels** is the list of channels that have been scanned by the
    channel manager update. All channels are displayed in the all channel
    mode.

  ◆ **Favourites** (favourite channels) is the list of channels that has been
    set in the **Edit Favourite Channels** menu (refer to page 24~25).

  ◆ When there is no channel information, the **No Data** message will be
    displayed and you will not be able to change the channel even if you
    press the **ENTER/OK** (⊕) button.
    When the **No Data** message appears and you cannot change the
    channel, press the channel number directly using the numeric buttons.

English - 29

Setting the Preferred Languages
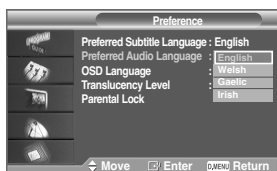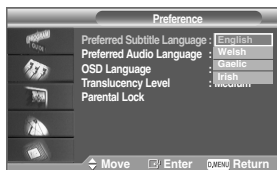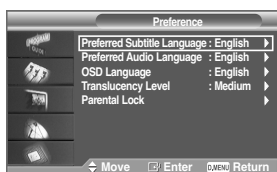
Using this feature, users can select one of the four languages (English, Welsh, Gaelic, Irish). The language selected here is the default when the user selects a channel.

1 Press the **D.MENU** button.
Result: The DTV menu is displayed.

2 Press the ▲ or ▼ button to select **Preference.**
Result: The **Preference** menu is displayed.

3 Press the **ENTER/OK** (⏎) button.

4 Select your required menu by pressing the ▲ or ▼ button.

◆ **Preferred Subtitle Language**
◆ **Preferred Audio Language**

5 Press the **ENTER/OK** (⏎) button.
Result: The options of the selected menu are displayed.

6 Select the required option by pressing the ▲ or ▼ button, and press the **ENTER/OK** (⏎) button to change the setting.

◆ **Preferred Subtitle Language : English, Welsh, Gaelic, Irish**
◆ **Preferred Audio Language : English, Welsh, Gaelic, Irish**

➢ ◆ If you change the language setting, the **Subtitle Language** and the **Audio Language** of the features menu (refer to page 32) are automatically changed to the selected language.

◆ The **Subtitle Language** and the **Audio Language** of the features menu show a list of languages supported by the current channel and the selection is highlighted. If you change this language setting, the new selection is only valid for the current channel. The changed setting does not change the setting of the **Preferred Subtitle Language** or the **Preferred Audio Language** of the preference menu.

7 Press the **D.MENU** button to return to the previous menu or press the **EXIT** button to return to normal viewing.

Choosing Your Language
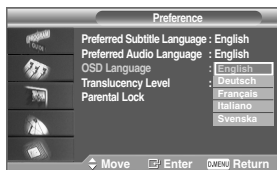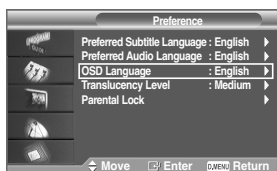
When you start using your DTV for the first time, you must select the language which will be used for displaying menus and indications.

1 Press the **D.MENU** button.
Result: The DTV menu is displayed.

2 Press the ▲ or ▼ button to select **Preference.**
Result: The **Preference** menu is displayed.

3 Press the **ENTER/OK** (⏎) button.

4 Press the ▲ or ▼ button to select **OSD Language**.
Press the **ENTER/OK** (⏎) button.

5 Select a particular language by pressing the ▲ or ▼ button repeatedly.
Press the **ENTER/OK** (⏎) button to change the setting.

6 Press the **D.MENU** button to return to the previous menu or press the **EXIT** button to return to normal viewing.

Preference (menu screen 1)
Preferred Subtitle Language : English
Preferred Audio Language : English
OSD Language : English
Translucency Level : Medium
Parental Lock
♦ Move ⏎ Enter D.MENU Return

Preference (menu screen 2)
Preferred Subtitle Language : English / Welsh / Gaelic / Irish
Preferred Audio Language
OSD Language
Translucency Level
Parental Lock
♦ Move ⏎ Enter D.MENU Return

Preference (menu screen 3)
Preferred Subtitle Language : English
Preferred Audio Language : English / Welsh / Gaelic / Irish
OSD Language
Translucency Level
Parental Lock
♦ Move ⏎ Enter D.MENU Return

Preference (menu screen 4)
Preferred Subtitle Language : English
Preferred Audio Language : English
OSD Language : English
Translucency Level : Medium
Parental Lock
♦ Move ⏎ Enter D.MENU Return

Preference (menu screen 5)
Preferred Subtitle Language : English
Preferred Audio Language : English
OSD Language : English / Deutsch / Français / Italiano / Svenska
Translucency Level
Parental Lock
♦ Move ⏎ Enter D.MENU Return

Adjusting the Translucency Level

You can set the translucency of the on-screen menu.

1 Press the **D.MENU** button.
Result: The DTV menu is displayed.

2 Press the ▲ or ▼ button to select **Preference.**
Result: The **Preference** menu is displayed.

3 Press the **ENTER/OK** (⊡) button.

4 Press the ▲ or ▼ button to select **Translucency Level**.
Press the **ENTER/OK** (⊡) button.

5 Select the required option(**High, Medium, Low,** or **Opaque**) by pressing
the ▲ or ▼ button. Press the **ENTER/OK** (⊡) button to change the setting.

6 Press the **D.MENU** button to return to the previous menu or press the **EXIT**
button to return to normal viewing.

Preference
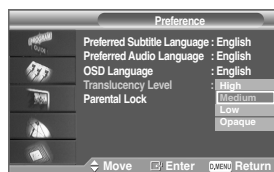Preferred Subtitle Language : English
Preferred Audio Language : English
OSD Language : English
Translucency Level : High / Medium / Low / Opaque
Parental Lock
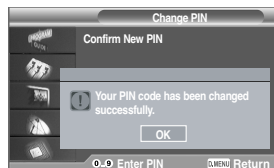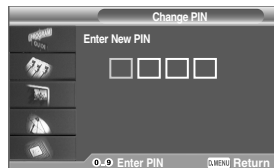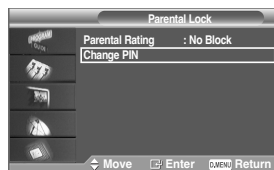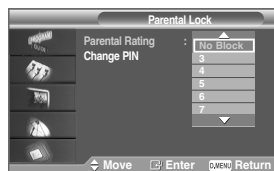◆ Move ⊡ Enter D.MENU Return

Setting up the Parental Lock

This feature allows you to prevent unauthorized users, such as children, from
watching unsuitable programmes by a 4-digit PIN (Personal Identification Number)
code that is defined by the user.
The on-screen menu will instruct you to assign a PIN code (you can change it
later, if necessary).

1 Press the **D.MENU** button.
Result: The DTV menu is displayed.

2 Press the ▲ or ▼ button to select **Preference.**
Result: The **Preference** menu is displayed.

3 Press the **ENTER/OK** (⊡) button.

4 Press the ▲ or ▼ button to select **Parental Lock**.
Press the **ENTER/OK** (⊡) button.
Result: The **Enter PIN** is displayed.

5 Enter your current 4-digit PIN code by using the numeric buttons (0~9).
Result: The **Parental Lock** menu are displayed with the **Parental
Rating** selected.

> ◆ The default PIN code for a new TV set is **0000**.
> ◆ If you enter an invalid PIN code,the **Invalid PIN code.
> Please try again.** message is displayed.

6 Press the **ENTER/OK** (⊡) button.

7 Press the ▲ or ▼ button to select the age rating you want to lock out.
Press the **ENTER/OK** (⊡) button.

8 If you want to change the PIN code,select **Change PIN** by
pressing the ▲ or ▼ button. Press the **ENTER/OK** (⊡) button.
Result: The **Enter New PIN** is displayed.

9 Enter your new PIN code by using the numeric buttons (0~9).
Result: The **Confirm New PIN** is displayed.

10 Re-enter your new PIN code to confirm by using the numeric buttons (0~9).
Result: The **Your PIN code has been changed successfully**
message is displayed.

11 Press the **ENTER/OK** (⊡) button.

12 Press the **D.MENU** button to return to the previous menu or press the **EXIT**
button to return to normal viewing.

> If you forget the PIN code, press the remote control buttons in the following
sequence, which resets the PIN to **0-0-0-0** : **POWER** (Off), **MUTE**, **8**, **2**, **4**,
POWER (On)

Parental Lock
Enter PIN
▢▢▢▢
0~9 Enter PIN D.MENU Return

Parental Lock
Parental Rating : No Block / 3 / 4 / 5 / 6 / 7
Change PIN
◆ Move ⊡ Enter D.MENU Return

Parental Lock
Parental Rating : No Block
Change PIN
◆ Move ⊡ Enter D.MENU Return

Change PIN
Enter New PIN
▢▢▢▢
0~9 Enter PIN D.MENU Return

Change PIN
Confirm New PIN
Your PIN code has been changed successfully.
OK
0~9 Enter PIN D.MENU Return

Using the Preferred Features

You can use various settings to suit your personal preferences.

◆ ***Activating/deactivating the subtitle***
◆ ***Changing the default value for subtitle and audio languages***
◆ ***Activating/deactivating the digital text***

1 Press the **D.MENU** button.
Result: The DTV menu is displayed.

2 Press the ▲ or ▼ button to select **Feature**.
Result: The **Feature** menu is displayed.

3 Press the **ENTER/OK** (⏎) button.

4 Select your required menu by pressing the ▲ or ▼ button.
◆ **Subtitle**
◆ **Subtitle Language**
◆ **Audio Language**
◆ **Digital Text**

5 Press the **ENTER/OK** (⏎) button.
Result: The options of the selected menu are displayed.

6 Select the required option by pressing the ▲ or ▼ button, and press the **ENTER/OK** (⏎) button to change the setting.
◆ **Subtitle : On** or **Off**
◆ **Subtitle Language**
◆ **Audio Language**
◆ **Digital Text : Disable** or **Enable**

➢ If the programme is broadcast with digital text, this feature is enabled.

7 Press the **D.MENU** button to return to the previous menu or press the **EXIT** button to return to normal viewing.

➢ ◆ **MHEG(M**ultimedia and **H**ypermedia Information Coding **E**xperts **G**roup**)?**
An International standard for data encoding systems used in multimedia and hypermedia. This is at a higher level than the MPEG system which includes data-linking hypermedia such as still images, character service, animation, graphic and video files as well as multimedia data. MHEG is user runtime interaction technology and is being applied to various fields including VOD (Video-On-Demand), ITV (Interactive TV), EC (Electronic Commerce), tele-education, tele-conferencing, digital libraries and network games.

➢ You can select these options simply by pressing the **SUBTITLE** button on the remote control.

Checking the Product Information
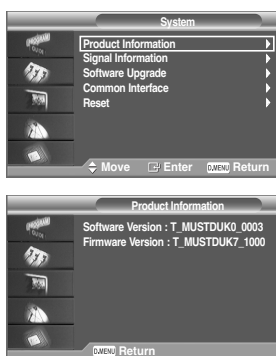
You can view your product information. For service or repair, please contact a Samsung approved dealer.

1 Press the **D.MENU** button.
Result: The DTV menu is displayed.

2 Press the ▲ or ▼ button to select **System.**
Result: The **System** menu is displayed.

3 Press the **ENTER/OK** (⏎) button.
Result: The **Product Information** is selected.

4 Press the **ENTER/OK** (⏎) button again.
Result: The product information menu is displayed.
– **Software Version**
– **Firmware Version**

5 Press the **D.MENU** button to return to the previous menu or press the **EXIT** button to return to normal viewing.

Checking the Signal Information

You can get information about the signal status.

1 Press the **D.MENU** button.
Result: The DTV menu is displayed.

2 Press the ▲ or ▼ button to select **System.**
Result: The **System** menu is displayed.

3 Press the **ENTER/OK** (⊕) button.

4 Press the ▲ or ▼ button to select **Signal Information**.
Press the **ENTER/OK** (⊕) button.
Result: The technical information for signal status is displayed.

> – **Service**
> – **Service ID**
> – **Multiplex**
> – **Network**
> – **Bit Error Level**
> – **Signal Strength**

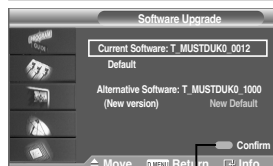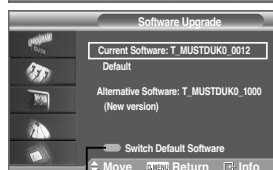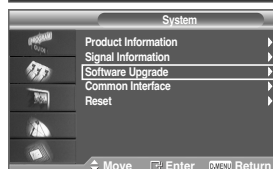**5** Press the **D.MENU** button to return to the previous menu or press the **EXIT** button to return to normal viewing.
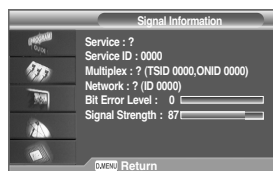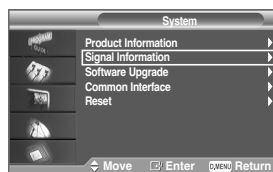

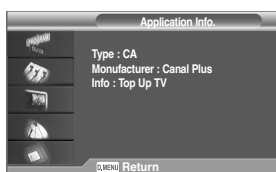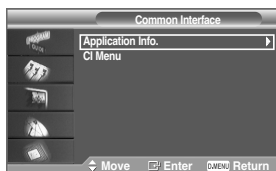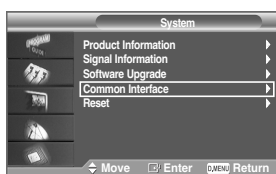# Upgrading the Software (Option)

To keep your product up-to-date with new Digital Television features then software upgrades are periodically broadcast as part of the normal Television signal. It will automatically detect these signals and display the software upgrade banner. You are given the option to install the upgrade.

◆ *Upgrade Now*
If you select **Upgrade Now**, the **iDTV** immediately installs the new upgrade and then restarts.

◆ *Upgrade Later*
If you select **Upgrade Later**, the upgrade is postponed until the next restart or channel change some 90 minutes later, when the upgrade dialog appears again.

◆ *Don't Upgrade*
If you select **Don't Upgrade**, the **iDTV** does not perform the upgrade and the software upgrade banner is not displayed again. The upgrade is still stored internally, to subsequently upgrade to the new version then the following sequence of steps are performed.

1 Press the **D.MENU** button.
Result: The DTV menu is displayed.

2 Press the ▲ or ▼ button to select **System.**
Result: The **System** menu is displayed.

3 Press the **ENTER/OK** (⊕) button.

4 Press the ▲ or ▼ button to select **Software Upgrade**.
Press the **ENTER/OK** (⊕) button.
Result: The information for **Software Upgrade** is displayed.

5 If necessary, press the **ENTER/OK** (⊕) button again to display the software version information.

6 Press the **D.MENU** button to return to the **Software Upgrade** menu.

7 To switch to an alternative version, press the red button.
Press the blue button to reset, activate the upgrade and restart.

8 Press the **D.MENU** button to return to the previous menu or press the **EXIT** button to return to normal viewing.
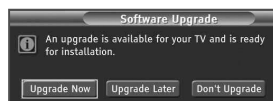
Viewing Common Interface

This contains information on CAM inserted in the CI slot and displays it.

System

Product Information ▶
Signal Information ▶
Software Upgrade ▶
Common Interface ▶
Reset ▶

Move   **Enter**   **Return**

1 Press the **D.MENU** button.
Result: The DTV menu is displayed.

2 Press the ▲ or ▼ button to select **System.**
Result: The **System** menu is displayed.

3 Press the **ENTER/OK** ( ) button.

Common Interface

Application Info. ▶
CI Menu

Move   **Enter**   **Return**

4 Press the ▲ or ▼ button to select **Common Interface**.
Press the **ENTER/OK** ( ) button.
Result: The **Application Info.** is selected.

5 Press the **ENTER/OK** ( ) button to display the information for your application.

6 Press the **D.MENU** button to return to the previous menu or press the **EXIT** button to return to normal viewing.

Application Info.

Type : CA
Monufacturer : Canal Plus
Info : Top Up TV

Return

Selecting the CI (Common Interface) Menu

This helps the user select an item from the CAM-supported menu.

System

Product Information ▶
Signal Information ▶
Software Upgrade ▶
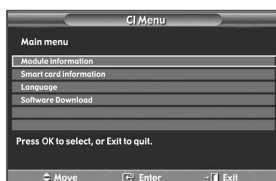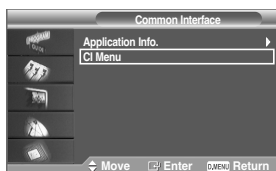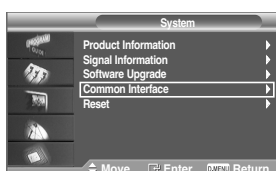Common Interface ▶
Reset ▶

Move   **Enter**   **Return**

1 Press the **D.MENU** button.
Result: The DTV menu is displayed.

2 Press the ▲ or ▼ button to select **System.**
Result: The **System** menu is displayed.

3 Press the **ENTER/OK** ( ) button.

Common Interface

Application Info. ▶
CI Menu

Move   **Enter**   **Return**

4 Press the ▲ or ▼ button to select **Common Interface**.
Press the **ENTER/OK** ( ) button.
Result: The technical information for signal status is displayed.

5 Press the ▲ or ▼ button to select **CI Menu**.
Press the **ENTER/OK** ( ) button.
Result: The options of the selected menu are displayed.

CI Menu

Main menu

Module information
Smart card information
Language
Software Download

Press OK to select, or Exit to quit.

Move   **Enter**   **Exit**

6 Select the required option by pressing the ▲ or ▼ button.
Press the **ENTER/OK** ( ) button.

7 Press the **D.MENU** button to return to the previous menu or press the **EXIT** button to return to normal viewing.

➢ Select the CI Menu based on the menu PC Card.

➢ In the case of DTV mode, **OK** or **Select** can be used as the **ENTER/OK** ( ) button.

Resetting

You can reset the values stored to the factory default values.

➢ The Reset operation deletes all channel information and user preferences returning all values to their default factory state.

1 Press the **D.MENU** button.
Result: The DTV menu is displayed.

2 Press the ▲ or ▼ button to select **System.**
Result: The **System** menu is displayed.

3 Press the **ENTER/OK** (⊕) button.

4 Press the ▲ or ▼ button to select **Reset**.
Press the **ENTER/OK** (⊕) button.
Result: The **Enter PIN** is displayed.

5 Enter your current 4-digit PIN code by using the numeric buttons (0~9).
Result: The warning message is displayed.All values will be reset by pressing the coloured buttons (red,green, yellow,and blue) in turn.

6 Press the **D.MENU** button to return to the previous menu or press the **EXIT** button to return to normal viewing.

➢ The default PIN of a new TV set is "0-0-0-0".

➢ When PIN is changed in Parental Lock, the PIN for resetting automatically changes.
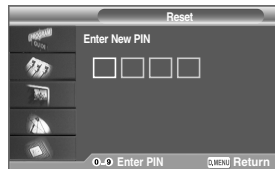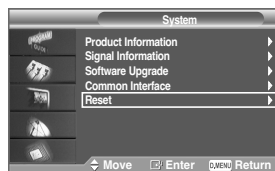
System
Product Information ▶
Signal Information ▶
Software Upgrade ▶
Common Interface ▶
Reset ▶
♦ Move ⊕ Enter D.MENU Return

Reset
Enter New PIN
□ □ □ □
0~9 Enter PIN D.MENU Return

Reset
WARNING: All channel settings and user perferences will be lost and returned to the factory defaults. It is recommended that a reset is performed only when serious problems are experienced.
⬤ ⬤ ⬤ ⬤
D.MENU Return

Freezing the Current Picture

You can freeze the picture when watching a television programme simply by pressing the "**STILL**" button. To return to normal viewing, press it again.

➢ To prevent screen burn-in, this function will automatically cancel after 5 minutes.
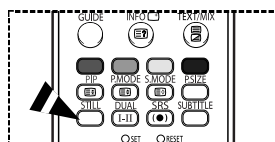
Teletext Feature (depending on the model)

Most television stations provide written information services via teletext. The index page of the teletext service gives you information on how to use the service. In addition, you can select various options to suit your requirements by using the remote control buttons.

☛ For teletext information to be displayed correctly, channel reception must be stable. Otherwise, information may be missing or some pages may not be displayed.

1 ▤ (teletext on/mix)

Press once : Displaying Screen in the teletext mode
Press twice : Displaying the split Screen
Press three times : Displying the overlapped Screen

2 ▤ (sub-page)
Used to display the available sub-page.

3 ▤ (size)
Press to display the double-size letters in the upper half of the screen. For lower half of the screen, press it again.
To display normal screen, press it once again.

4 ▤ (store)
Used to store the teletext pages.

5 ▤ (hold)
Used to hold the display on a given page if the selected page is linked with several secondary pages which follow on automatically. To resume, press it again.

6 ▤ (page up)
Used to display the next teletext page.

7 ▤ (mode)
Press to select the teletext mode (LIST/FLOF).
If you press it in the LIST mode, it switches into the List save mode. In the List save mode, you can save teletext page into list using the ▤ (store) button.

8 ▤ (page down)
Used to display the previous teletext page.

9 ▤ (index)
Used to display the index (contents) page at any time while you are viewing teletext.

10 ▤ (reveal)
Used to display the hidden text (answers to quiz games, for example). To display normal screen, press it again.

11 Coloured buttons (red/green/yellow/blue)
If the FASTEXT system is used by a broadcasting company, the different topics covered on a teletext page are colour-coded and can be selected by pressing the coloured buttons. Press one of them corresponding to the required. The page is displayed with other coloured information that can be selected in the same way.
To display the previous or next page, press the corresponding coloured button.

12 ▤ (cancel)
Used to display the broadcast when searching for a page.

13 TV/DTV (exit)
Exit from the teletext display (depending on the model)

➢ You can change teletext pages by pressing the numeric buttons on the remote control.

Teletext Feature (depending on the model)

The teletext pages are organized according to six categories:

Part	Contents
A	Selected page number.
B	Broadcasting channel identity.
C	Current page number or search indications.
D	Date and time.
E	Text.
F	Status information.
	FASTEXT information.

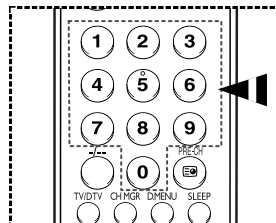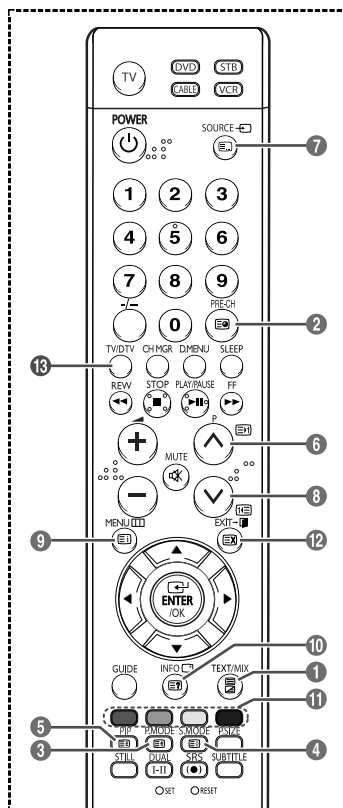➢ Teletext information is often divided between several pages displayed in sequence, which can be accessed by:
- ◆ Entering the page number
- ◆ Selecting a title in a list
- ◆ Selecting a coloured heading (FASTEXT system)

➢ Press the **TV/DTV** button to exit from the teletext display.
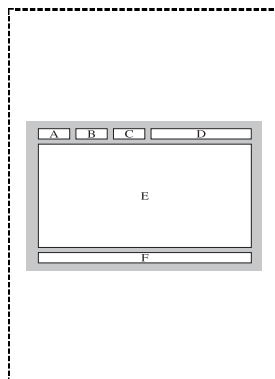
How to Install the Wall Mount Bracket

➢ This installation guide may be different from the PDP User's manual.
Please refer to the proper installation guide for your product.

Installation Notes
- ◆ Contact a technician for installing the wall bracket.
- ◆ Samsung Electronics is not responsible for any damages to the product or harm to customers when the installation is done by the customer.
- ◆ This product is for installing on cement walls. The product may not stay in place when installed on plaster or wood.
- ◆ The package contents and parts supplied for the wall mount are subject to change without prior notice.

Mounting Kits
- ◆ Please use only the parts and components provided for wall mount installation.

Wall Mount Bracket	ASSY-HINGE	Screws
1EA	LEFT :1EA RIGHT :1EA	Plastic Hanger : 4 EA SCREW : 4 EA
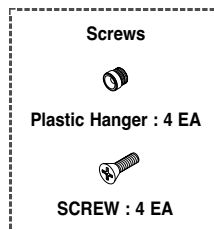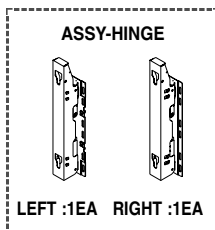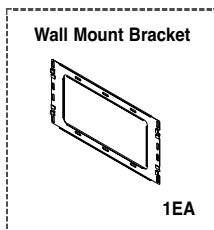
How to assemble the Wall Mount Bracket

1 The wall mount bracket is delivered separately. Please tighten the captive screw in the direction of the arrow after assembling the bracket. Install the Wall Mount Bracket after the screws are securely inserted into the wall.

Captive Screws

ASSY-HINGE (LEFT)

Separate ASSY-HINGE into Left and Right.

Wall Mount Bracket

ASSY-HINGE (RIGHT)
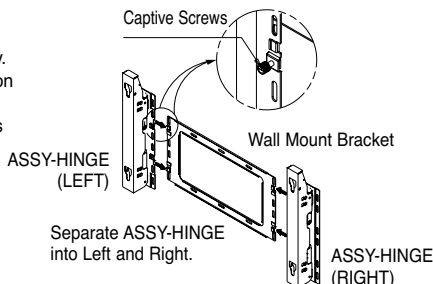
How to Install the Wall Mount Bracket

Instructions on Securing the SET to the Wall Mount Bracket

➢ The exterior of the SET may be different than the picture. (Assembly and installation of the plastic hanger is the same.)

1 Remove the screws from the back of the PDP.
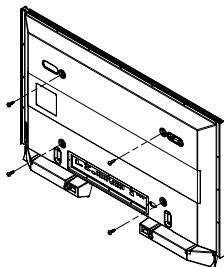
2 Use the screw and assemble the plastic hanger. (Please refer to the following picture.)

☛ **1** Please ask the installers to install the wall mount bracket.

2 Please be sure to check if the plastic hanger is completely secured on both the left and right side after hanging the SET on the wall mount bracket.

3 Please avoid catching your fingers while installing and adjusting the angle.

4 Please tightly secure the wall mount bracket to the wall to avoid injury from a falling SET.

Do not install your Wall Mount Kit while your TV is turned on. It may result in personal injury due to electric shock.

3 Tighten the screws of the plastic hanger (shown in picture 2) to the back side of the PDP.
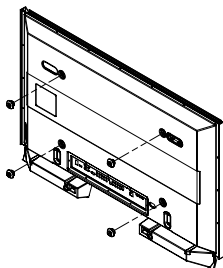
4 Remove the Safety Pins. Fasten the 4 plastic latches assembled at step (③) on the back side of the PDP using the guide holes of the wall mount, push (①) and hook (②) down to secure the PDP on the wall mount as illustrated. Secure the PDP by inserting the Safety Pins, not to fall from the wall mount.

PDP panel

Wall attachment panel bracket   Wall
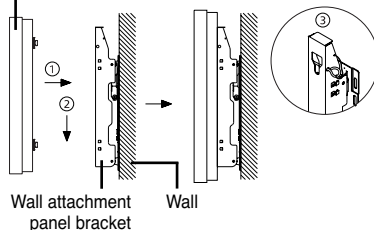
How to Install the Wall Mount Bracket

How to Adjust Mounting Angle

➢ Please secure the mounting bracket on the wall surface after setting its angle at 0°
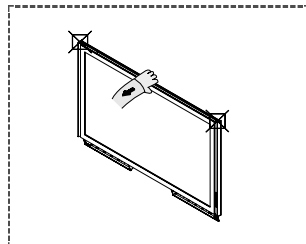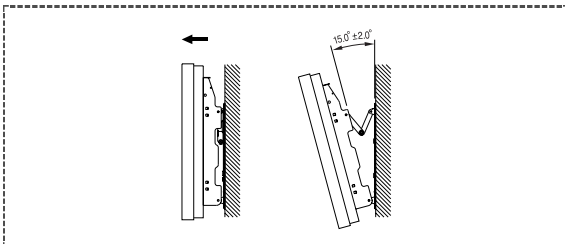
1 Secure the SET to the wall mount bracket.(Please refer to the follow ing instructions.)

2 Set the angle by pulling the upper end of the SET attached to bracket in the direction of the arrow. (Refer to the illustration on the right.)

3 The angle can be adjusted from 0° to 15° by ±2°.

Hold onto the middle of the PDP to adjust the angle (not the sides of the PDP).

Connecting External Devices to the PDP

➢ To connect external devices such as a DVD or a Home Theater System to the PDP, please refer to following instructions:
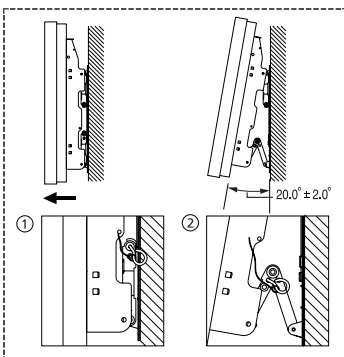
1 Be sure to remove the safety pins underneath the PDP.
➢ If the safety pins are not removed, the angle cannot be adjusted. Any attempt to do so may cause damage to the PDP.

2 Hold onto the bottom of the PDP and pull forward fully as directed by the arrow as illustrated) to adjust the angle. (0°~20° by 2°) Insert the Safety Pins to the front guide holes on both sides as illustrated in figure ②.
➢ Viewing the PDP after connecting the external devices Remove the Safety Pins to adjust the angle to 0°, and then secure the Safety Pins again.
☛ For safety, be sure to secure the PDP using the safety pins. If the safety pins are not used, the PDP may fall, causing serious injury.

Setting Up Your Remote Control

After it has been set up properly, your remote control can operate in five different modes: TV, VCR, Cable, DVD, or Set-Top Box. Pressing the corresponding button on the remote control allows you to switch between these modes, and control whichever piece of equipment you choose.

➢ The remote control might not be compatible with all DVD Players, VCRs, Cable boxes, and Set-Top Boxes.
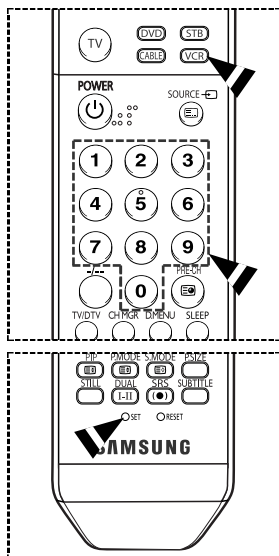
Setting Up the Remote to Operate Your VCR

1 Turn off your VCR.

2 Press the **VCR** button on your TV's remote control.

3 Press the **SET** button on your TV's remote control.

4 Using the number buttons on your remote control, enter three digits of the VCR code listed on page 42 of this manual for your brand of VCR. Make sure you enter three digits of the code, even if the first digit is a "0". (If more than one code is listed, try the first one.)

5 Press the **POWER** button on the remote control. Your VCR should turn on if your remote is set up correctly.

If your VCR does not turn on after set-up, repeat steps 2, 3 and 4, but try one of the other codes listed for your brand of VCR. If no other codes are listed, try each VCR code, 000 through 080.

Note on Using Remote Control Modes: VCR
When your remote control is in "VCR" mode, the volume buttons still control your TV's volume.

Setting Up the Remote to Operate Your Cable Box

1 Turn off your cable box.

2 Press the **CABLE** button on your TV's remote control.

3 Press the **SET** button on your TV's remote control.

4 Using the number buttons on your remote control, enter three digits of the cable box code listed on page 43 of this manual for your brand of cable box. Make sure you enter three digits of the code, even if the first digit is a "0". (If more than one code is listed, try the first one.)

5 Press the **POWER** button on the remote control.
Your cable box should turn on if your remote is set up correctly.

If your cable box does not turn on after set-up, repeat steps 2, 3 and 4, but try one of the other codes listed for your brand of cable box. If no other codes are listed, try each code, 000 through 046.

Note on Using Remote Control Modes: Cable Box
When your remote control is in "CABLE" mode, the volume buttons still control your TV's volume.
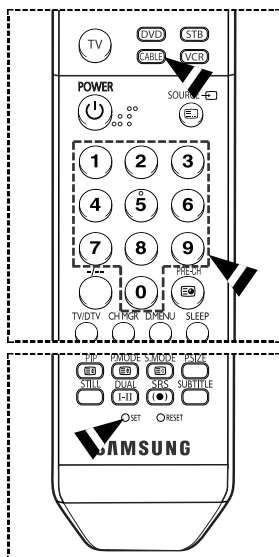
Setting Up Your Remote Control

Setting Up the Remote to Operate Your DVD

1 Turn off your DVD.

2 Press the **DVD** button on your TV's remote control.

3 Press the **SET** button on your TV's remote control.

4 Using the number buttons on your remote control, enter three digits of the DVD code listed on page 44 of this manual for your brand of DVD. Make sure you enter three digits of the code, even if the first digit is a "0". (If more than one code is listed, try the first one.)

5 Press the **POWER** button on the remote control.
Your DVD should turn on if your remote is set up correctly.

   If your DVD does not turn on after set-up, repeat steps 2, 3 and 4, but try one of the other codes listed for your brand of DVD. If no other codes are listed, try each code, 000 through 141.

Note on Using Remote Control Modes: DVD
When your remote control is in "DVD" mode, the volume buttons still control your TV's volume.
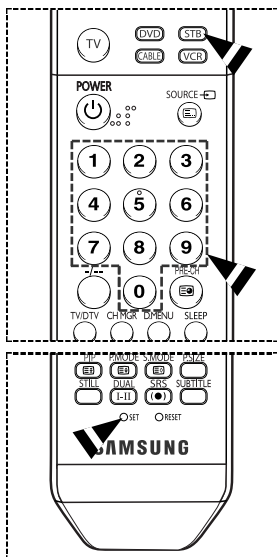
Setting Up the Remote to Operate Your Set Top Box

1 Turn off your STB.

2 Press the **STB** button on your TV's remote control.

3 Press the **SET** button on your TV's remote control.

4 Using the number buttons on your remote control, enter three digits of the STB code listed on page 43 of this manual for your brand of STB. Make sure you enter three digits of the code, even if the first digit is a "0". (If more than one code is listed, try the first one.)

5 Press the **POWER** button on the remote control.
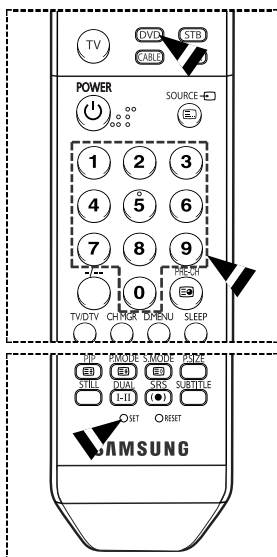Your STB should turn on if your remote is set up correctly.

   If your STB does not turn on after set-up, repeat steps 2, 3 and 4, but try one of the other codes listed for your brand of STB. If no other codes are listed, try each code, 000 through 074.

Note on Using Remote Control Modes: STB
When your remote control is in "STB" mode, the volume buttons still control your TV's volume

Setting Up Your Remote Control

VCR

| Brand	Code
SAMSUNG	000 001 002 003 004 005 077 078 079
ADMIRAL	020
AIWA	025
AKAI	004 027 032
AUDIO DYNAMICS	007 026
BELL&HOWELL	018
BROKSONIC	022
CANDLE	002 003 006 008 015 055
CANON	021 056
CITIZEN	002 003 006 008 015 055
COLORTYME	007
CRAIG	002 024
CURTIS MATHES	002 007 008 017 021 025 056 064 066
DAEWOO	003 010 011 012 013 014 015 016
DB	007 026
DIMENSIA	017
DYNATECH	025
ELECTROHOME	034
EMERSON	001 003 006 021 022 025 030 032 034 040 047 050 052 060 063 065 066 067 069 073
FISHER	018 024 028 029 048 051 061
FUNAI	025
GENERAL ELECTRIC	002 005 017 021 056
GO VIDEO	002
LG(Goldstar)	006 007 008 009 010
HARMAN KARDON	007
HITACHI	019 025 041 042 074
INSTANT REPLAY	021
JC PENNEY	002 007 018 019 021 026 037 041 054 056
JCL	007 008 018 021 026 037
KENWOOD	007 008 018 026 037
KLH	070
LIOYD	025
LOGIK	038
LXI	025
JVC	081 082 083
MAGNAVOX	021 056 059
MARANTZ	007 008 018 021 026 037 062
MARTA	006
KONIA	036
ORION	073 074 075 076
MEI	021
MEMOREX	006 021 024 025
MGA	034
MIDLAND	005
MINOLTA	019 041 075

Brand	Code
MITSUBISHI	019 034 041 046
MONTGOMERY WARD	020
MTC	002 025
MULTITECH	002 005 025 038
NEC	007 008 018 026 037 062 064
OPTIMUS	020
PANASONIC	021 056 071 072
PENTAX	019 041 075
PENTEX RESEARCH+	008
PHILCO	021 056 059
PHILIPS	021 080
PIONEER	019 026 039 053
PORTLAND	015 049 055
PROSCAN	017
QUARTZ	018
QUASAR	021 056
RADIO SHACK/REALISTIC	006 018 020 021 024 025 029 034 048 056
RCA	002 017 019 021 035 041 043 057 068 076
SANSUI	026
SANYO	018 024
SCOTT	003 047 052 067
SEARS	006 018 019 024 028 029 041 048 051
SHARP	020 034 045 015
SHIMTOM	027 033 038 058
SIGNATURE	025
SONY	027 033 044
SYLVANIA	021 025 056 059
SYMPHONIC	025
TANDY	018 025
TASHIKA	006
TATUNG	037
TEAC	025 037 068
TECHNICS	021
TEKNIKA	006 021 025 031
TMK	066
TOSHIBA	003 019 029 051 052
TOTEVISION	002 006
UNITECH	002
VECTOR RESEARCH	007 026
VICTOR	026
VIDEO CONCEPTS	007 026
VIDEOSONIC	002
WARDS	002 003 006 019 020 021 024 025 034 038 041
YAMAHA	007 008 018 026 037
ZENITH	023 027 033

Setting Up Your Remote Control

CABLE BOX

Brand	Code		Brand	Code
SAMSUNG	000 001 002 003 004 005 006 007		REGENCY	015 023
GI	041		SA	042 043
HAMLIN	003 024 031		SCIENTIFIC ATLAN	042 043
HITACHI	025 030		SPRUCER	022
JERROLD	038 039		STARGATE 2000	036
MACOM	025 030		SYLVANIA	016
MAGNAVOX	019 023 028		TEXSCAN	016
OAK	026		TOCOM	032
PANASONIC	003 022 027 037 044		UNIVERSAL	033 034
PHILIPS	019 021 023 028		VIEWSTAR	019 021 023 028
PIONEER	004 018 020 044		WARNER AMEX	046
RCA	014 022 040		ZENITH	017 029 035 037 045
REGAL	003			

SAMSUNG SET-TOP BOX

Product	Code
Ground wave STB	**000** 001 002 008 **013**
CABLE STB	**000** 004 008 **013**
Satellite STB	**000** 003 008 **013**

SET-TOP BOX

Brand	Code		Brand	Code
ALPHASTAR	023		LG(Goldstar)	044 073
ANAM	043		MAGNAVOX	016 021 036 038 039 040 041 042
CHANNEL MASTER	018 034		MEMOREX	016
CROSSDIGITAL	019		MOTOROLA	064
CHAPARRAL	035		MACOM	018
DIRECT TV	015 016 017 019 022 045 060 061 062 065 066 067 068		MITSUBISHI	015
			NEXT LEVEL	047 048 064
DAEWOO	074		PHILIPS	015 016 017 021 033 036 038 039 040 041 042 067
DISH NETWORK SYSTEM	069 070		PRIMESTAR	046 049 050 063
DISHPRO	069		PANASONIC	058 059 061 062
DRAKE	018 024 032		PAYSAT	016
DX ANTENNA	027		PROSCAN	065 066
ECHOSTAR	025 069 070 071		RCA	051 052 053 065 066
EXPRESSVU	069		RADIOSHACK	064
GOI	069		REALISTIC	057
GE	065		STS	020 027
GENERAL INSTRUMENT	046 047 048 063 064		STAR TRAK	026
HTS	069		SKY	031
HOME CABLE	056		SKY LIFE	005 006 007
HITACHI	022		SHACK	064
HUGHES NETWORK	015 017		STAR CHOICE	064
IQ	020		SONY	054 060
IQ PRISM	020		TOSHIBA	015 017 028 029 030 072
JANEIL	059		ULTIMATE TV	060 066
JERROID	063		UNIDEN	016 021 037 055 056 057
JVC	069 070		ZENITH	024 031 068

Setting Up Your Remote Control

SAMSUNG DVD

Product	Code	Product	Code
DVD	000 001 002	Home Theater VCR COMBO	014 015 016
DVDR	003 004	HDD Record COMBO	017
BD Record	005 006	TWIN TRAY COMBO	018
VCR COMBO	007 008 009 010 011	STB DVD COMBO	019
VCR Record	012	DVD Receiver	020
DHR COMBO	013	AV Receiver	021

DVD

Brand	Code	Brand	Code
ANAM	030	NORCENT	048 049 050
AUDIOVOX	075	NEXT BASE	052
AUDIOLOGIC	085	NEC	053
ANABA	072	NANTAUS	144
APEX DIGITAL	070 071 074 086 083 084 088 111 112	NESA	074
AIWA	114	OPTOMEDIA ELECTRONICS	105
BROKSONIC	062	OPTIVIEW	072
BLAUPUNKT	074	ONKYO	076 092 119
B&K	122 123	PHILCO	044 045
CURTIS MATHES	027	PRINCETON	046 047
CYBER HOME	065 077 078 079 082	PROSCAN	023
CLARION	080 125	PANASONIC	024 034 124 134 136 137 138
CIRRUS	081	PHILIPS	036 076
CINEVISION	095	ROTEL	117 118
DAEWOO	066	RIO	120
DENON	146	RCA	023 035 074 075 131 132
FARENHEIT	067 068	RAITE	073
FISHER	090	ROWA	038
GPX	060	SAMPO	104
GO VIDEO	061 089 133 135	SONY	026 029 126 127 128 129 130 141
GE	069 074	SHERWOOD	039 041
GREENHILL	074	SVA	042
HITACHI	064 113	SYLVANIA	043 093
HITEKER	071	SHARP	140
HOYO	073	SANSUI	062
HARMAN / KARDON	091 110	SANYO	062
IRT	089	SHINSONIC	094
INTEGRA	092	SANYO	090
JBL	091	THOMSON	145
JVC	022 033 115 116	TOSHIBA	028 062 076
JATON	073	TECHNICS	139
KENWOOD	051 108 109	TVIEW	072
KISS	073	TOKAI	073
KONKA	059 100 106 107	TEAC	096
KLH	074 075	TECHWOOD	097
LG(Goldstar)	025 031	TREDEX	098 099 101
LOEWE	057	URBAN CONCEPTS	076
LASONIC	058	VENTURER	075
MOBILE AUTHORITY	054	VOCOPRO	102
MEMOREX	055	YAMAHA	032 063
MALATA	056	YAMAKAWA	040 073
MAGNAVOX	076 093	XWAVE	103
MINTEK	074 094	ZENITH	076 121
MONYKA	073		

Troubleshooting

Before contacting the Samsung after-sales service, perform the following simple checks.
If you cannot solve the problem using the instructions below, note the model and serial number of the television and contact your local dealer.

No sound or picture
◆ Check that the mains lead has been connected to a wall socket.
◆ Check that you have pressed the ⏻ (Power) button (On/Off) on the front panel or press the **POWER** (⏻) button on the remote control.
◆ Check the picture contrast and brightness settings.
◆ Check the volume.
◆ Check if Internal Mute is set to ON.

Normal picture but no sound
◆ Check the volume.
◆ Check whether the volume **MUTE** button on the remote control has been pressed.

No picture or black and white picture
◆ Adjust the colour settings.
◆ Check that the broadcast system selected is correct.

Sound and picture interference
◆ Try to identify the electrical appliance that is affecting the television, then move it further away.
◆ Plug the television into a different mains socket.

Blurred or snowy picture, distorted sound
◆ Check the direction, location and connections of your aerial.
   This interference often occurs due to the use of an indoor aerial.

Remote control malfunctions
◆ Replace the remote control batteries.
◆ Clean the upper edge of the remote control (transmission window).
◆ Check that the "+" and "–" ends of the batteries are inserted correctly.
◆ Check that the batteries are drained.

Screen is black and power indicator light blinks steadily
◆ On your computer check; Power, Signal Cable.
◆ The TV is using its power management system.
◆ Move the computer's mouse or press any key on the keyboard.
◆ On your equipment check (STB, DVD, etc) ; Power, Signal Cable.
◆ The TV is using its power management system.
◆ Press the Source button on the panel or remote control.
◆ Turn the TV off and on.
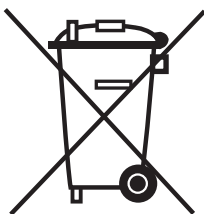
Correct Disposal of This Product
(**W**aste **E**lectrical & **E**lectronic **E**quipment)

(Applicable in the European Union and other European countries with separate collection systems)

This marking shown on the product or its literature, indicates that it should not be disposed with other household wastes at the end of its working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources.
Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take this item for environmentally safe recycling.
Business users should contact their supplier and check the terms and conditions of the purchase contract. This product should not be mixed with other commercial wastes for disposal.

SAMSUNG

Contact SAMSUNG WORLD-WIDE

If you have any questions or comments relating to Samsung products,
please contact the SAMSUNG customer care centre.

Comment contacter Samsung dans le monde

Si vous avez des suggestions ou des questions concernant les produits
Samsung, veuillez contacter le Service Consommateurs Samsung.

Country	Customer Care Centre ☎	Web Site
BELGIUM	02 201 2418	www.samsung.com/be
CZECH REPUBLIC	844 000 844	www.samsung.com/cz
DENMARK	70 70 19 70	www.samsung.com/dk
ESTONIA	800-7267	www.samsung.ee
FINLAND	030-6227 515	www.samsung.com/fi
FRANCE	3260 SAMSUNG (7267864) (€ 0,15/min)	www.samsung.com/fr
GERMANY	01805-121213 (€ 0,14/Min)	www.samsung.de
HUNGARY	06-80-SAMSUNG (7267864)	www.samsung.com/hu
ITALIA	800 SAMSUNG (7267864)	www.samsung.com/it
KAZAKHSTAN	8 800 080 11 88	www.samsung.kz
LATVIA	800-7267	www.samsung.com/lv
LITHUANIA	8-800-77777	www.samsung.lt
LUXEMBURG	0032 (0)2 201 24 18	www.samsung.lu
NETHERLANDS	0900 20 200 88 (€ 0,10/Min)	www.samsung.com/nl
NORWAY	815-56 480	www.samsung.com/no
POLAND	0 801 801 881	www.samsung.com/pl
PORTUGAL	80 8 200 128	www.samsung.com/pt
REPUBLIC OF IRELAND	0818 717 100	www.samsung.com/uk
RUSSIA	8-800-200-0400	www.samsung.ru
SLOVAKIA	0800-SAMSUNG (7267864)	www.samsung.com/sk
SPAIN	902 10 11 30	www.samsung.com/es
SWEDEN	0771-400 200	www.samsung.com/se
SWITZERLAND	0800-7267864	www.samsung.com/ch
U.K	0870 SAMSUNG (7267864)	www.samsung.com/uk
UKRAINE	8-800-502-0000	www.samsung.com/ur
UZBEKISTAN	140-1234	www.samsung.uz